

Conducted test results

No.1-9318-25-02-03_TR1-A201-R01

June 09, 2026

Test Standard(s)	FCC 15.247 - NI
	FCC 15.247, ISSED RSS247 - NI
	NA - NI

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NA # Message with SA scan ~	215
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FCC 15.247 # Peak psd DTS ~ WLAN2G4 ax-HE20	219

FCC 15.247 # Bandwidth 6dB DTS ~ WLAN2G4 b mode

References

TC start	28.05.2026 11:19:56
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	
Description	FCC 15.247 Bandwidth 6dB DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

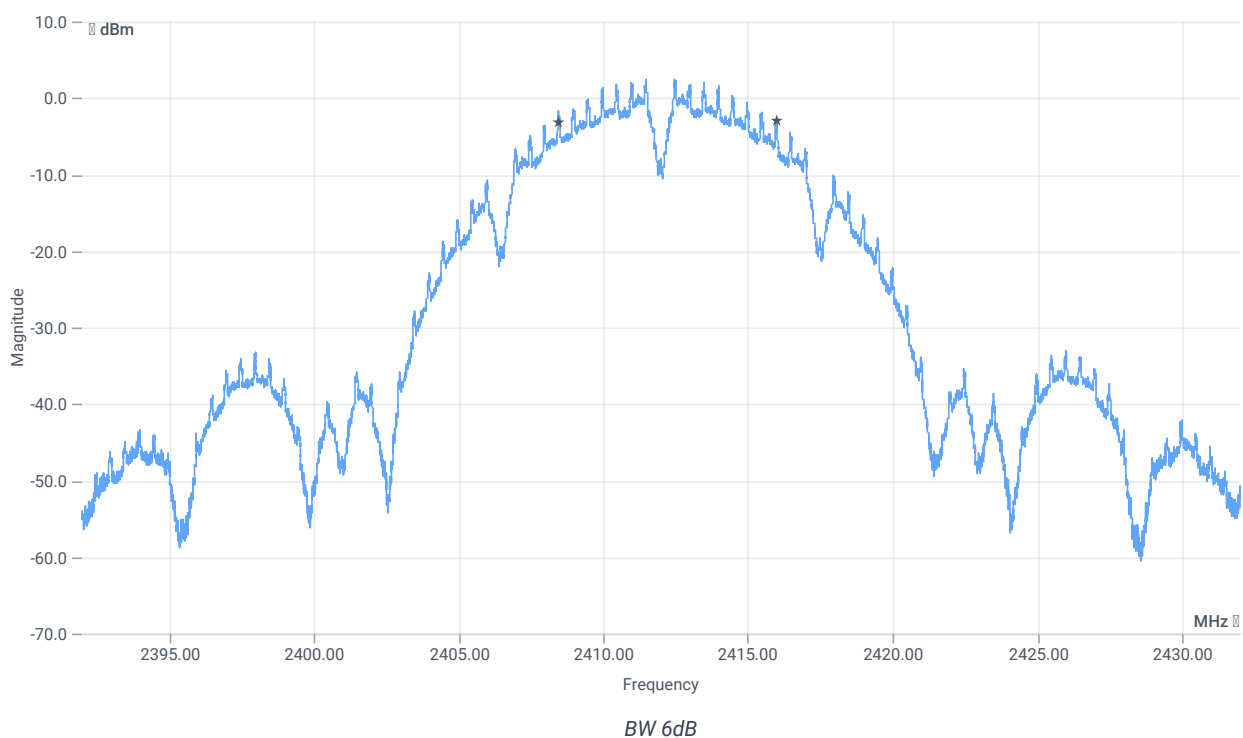
Test at TX 2412 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.84	dBm	INFO
Ref. frequency	---	---	2413.100	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.84 3.13 25
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	500	---	7536	kHz	PASS

Verdict

PASS

FCC 15.247 # Bandwidth 6dB DTS ~ WLAN2G4 b mode

References

TC start	28.05.2026 11:36:12
Ambit temp (test rack) [°C] humidity [rel%]	24.5 41
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	
Description	FCC 15.247 Bandwidth 6dB DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

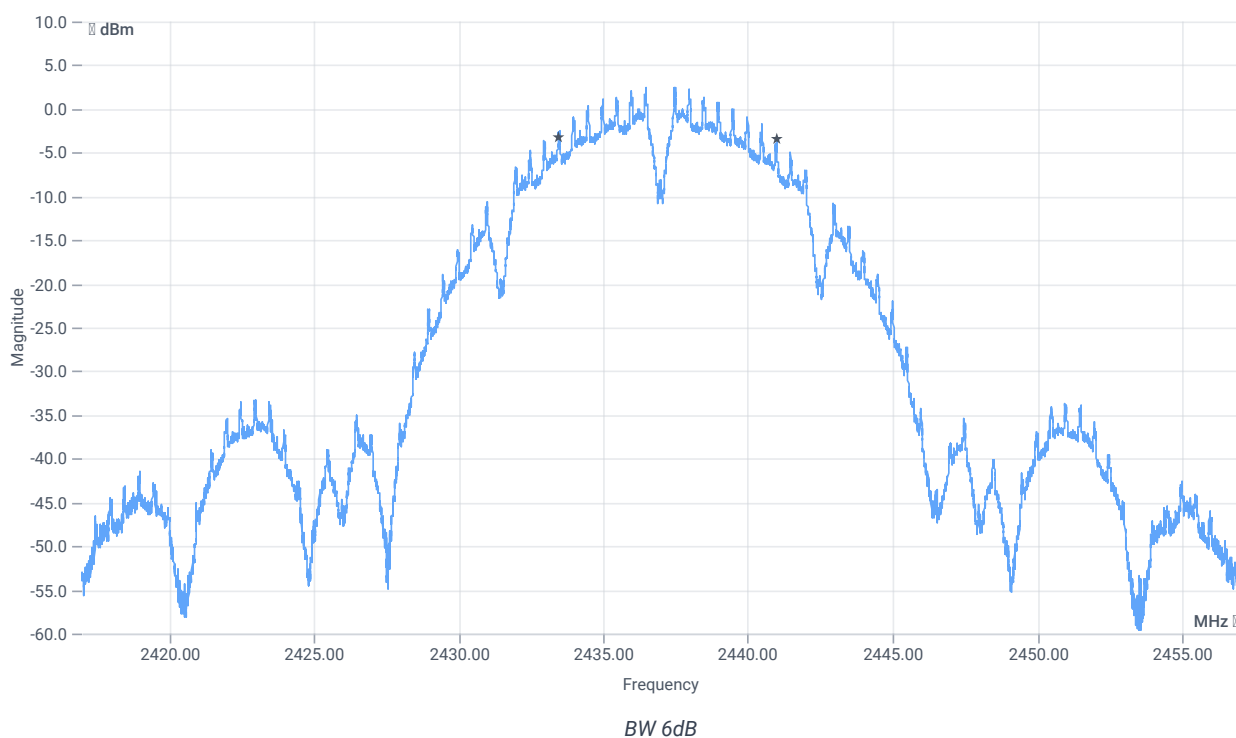
Test at TX 2437 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.57	dBm	INFO
Ref. frequency	---	---	2438.100	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.57 3.15 25
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	500	---	7548	kHz	PASS

Verdict

PASS

FCC 15.247 # Bandwidth 6dB DTS ~ WLAN2G4 b mode

References

TC start	28.05.2026 12:17:40
Ambit temp (test rack) [°C] humidity [rel%]	24.5 41
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	
Description	FCC 15.247 Bandwidth 6dB DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

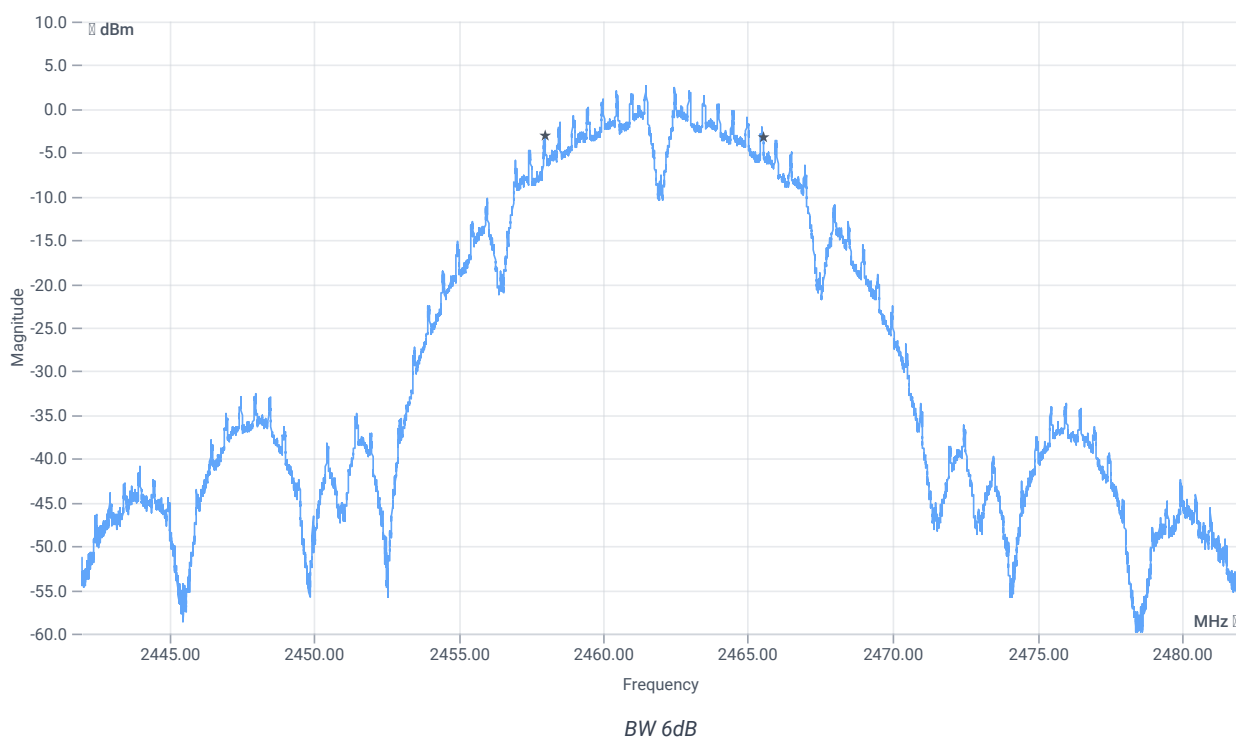
Test at TX 2462 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.91	dBm	INFO
Ref. frequency	---	---	2460.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.91 3.12 25
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	500	---	7532	kHz	PASS

Verdict

PASS

FCC 15.247 # Bandwidth 6dB DTS ~ WLAN2G4 g mode

References

TC start	28.05.2026 12:36:21
Ambit temp (test rack) [°C] humidity [rel%]	24.4 41
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	
Description	FCC 15.247 Bandwidth 6dB DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

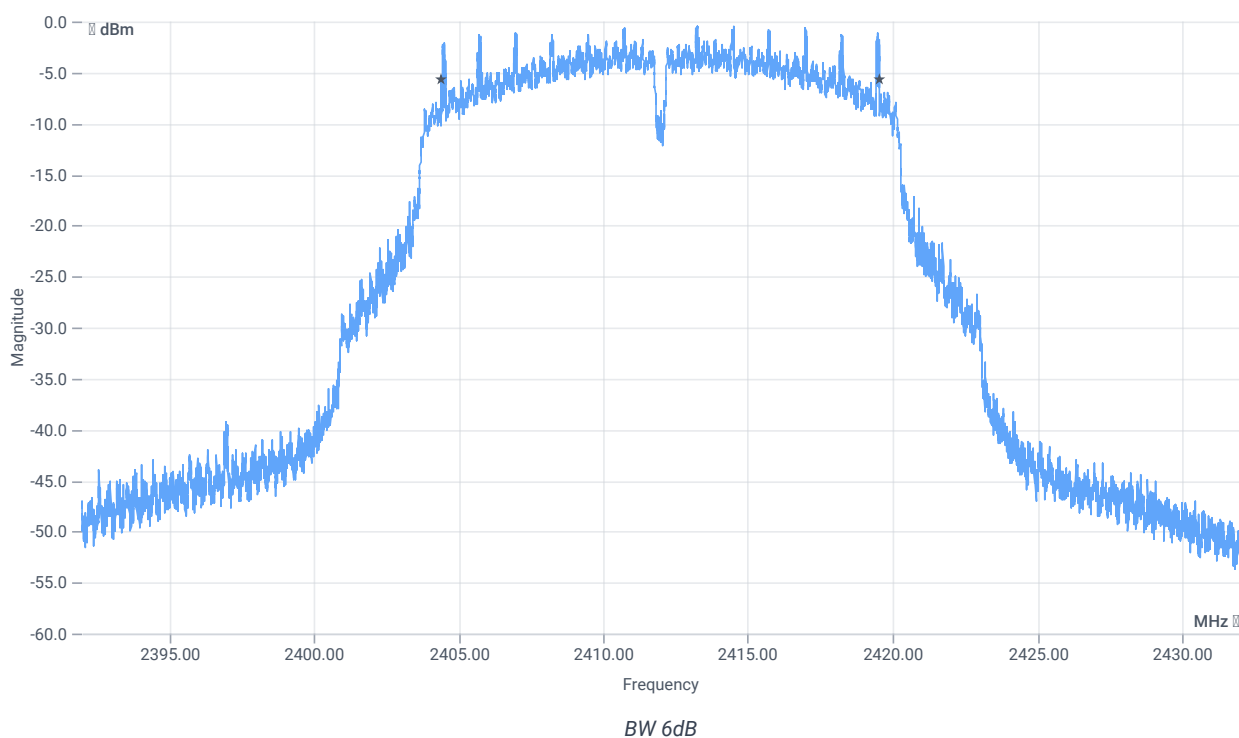
Test at TX 2412 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.90	dBm	INFO
Ref. frequency	---	---	2409.700	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.90 3.13 30
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	500	---	15144	kHz	PASS

Verdict

PASS

FCC 15.247 # Bandwidth 6dB DTS ~ WLAN2G4 g mode

References

TC start	28.05.2026 12:53:45
Ambit temp (test rack) [°C] humidity [rel%]	24.4 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	
Description	FCC 15.247 Bandwidth 6dB DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

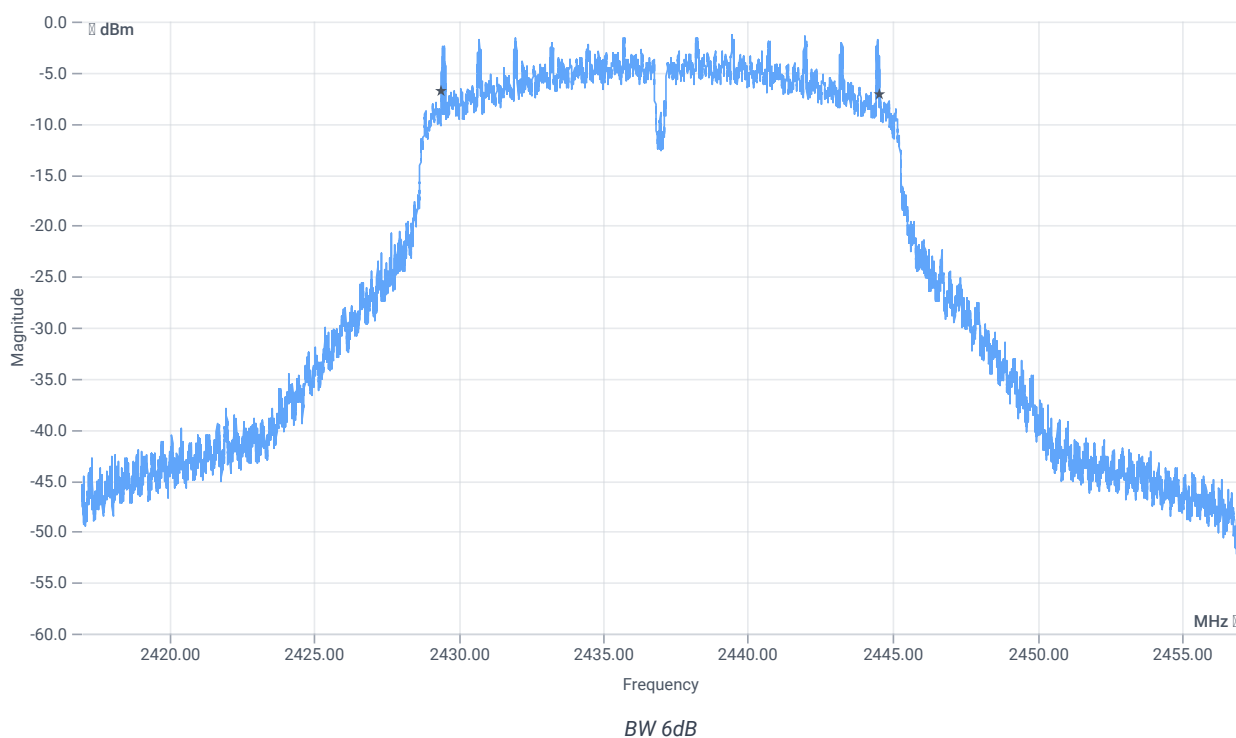
Test at TX 2437 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.28	dBm	INFO
Ref. frequency	---	---	2438.500	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.28 3.15 30
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	500	---	15164	kHz	PASS

Verdict

PASS

FCC 15.247 # Bandwidth 6dB DTS ~ WLAN2G4 g mode

References

TC start	28.05.2026 13:13:34
Ambit temp (test rack) [°C] humidity [rel%]	24.4 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	
Description	FCC 15.247 Bandwidth 6dB DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

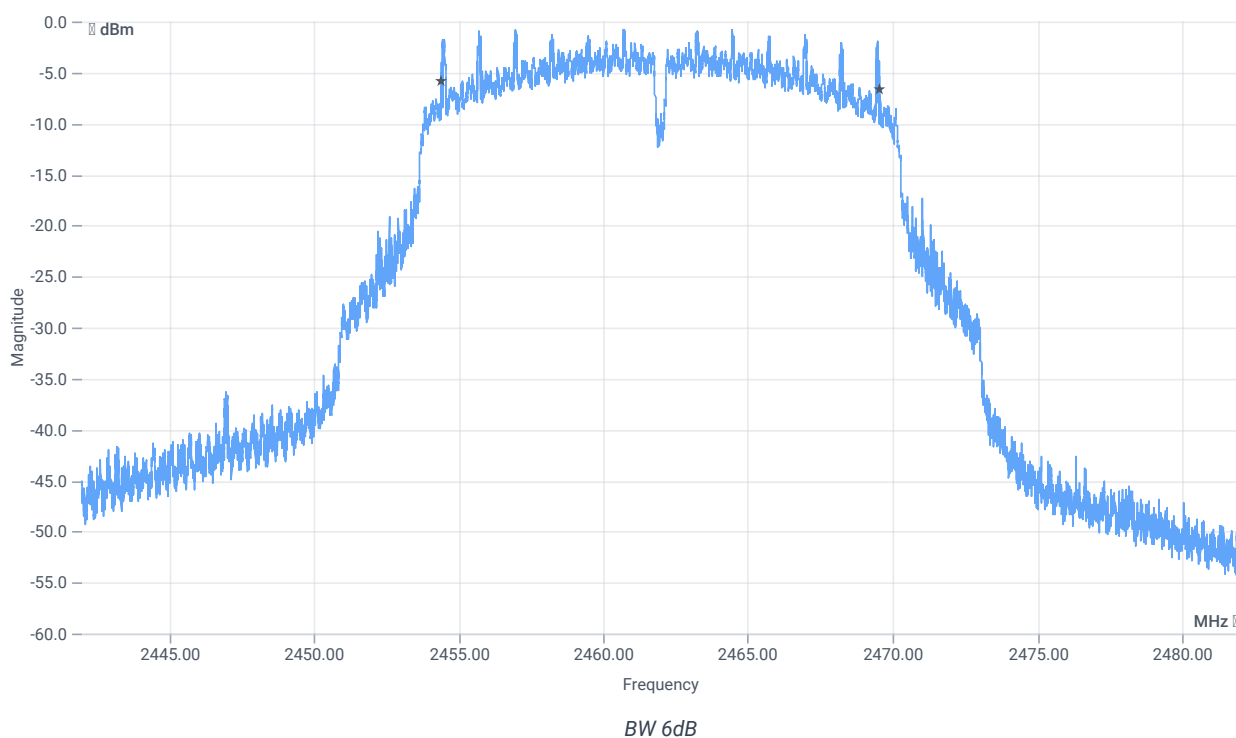
Test at TX 2462 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.80	dBm	INFO
Ref. frequency	---	---	2460.500	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.80 3.12 30
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	500	---	15152	kHz	PASS

Verdict

PASS

FCC 15.247 # Bandwidth 6dB DTS ~ WLAN2G4 n-HT20 mode

References

TC start	28.05.2026 13:30:49
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	
Description	FCC 15.247 Bandwidth 6dB DTS - WLAN2G4 n-HT20 mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

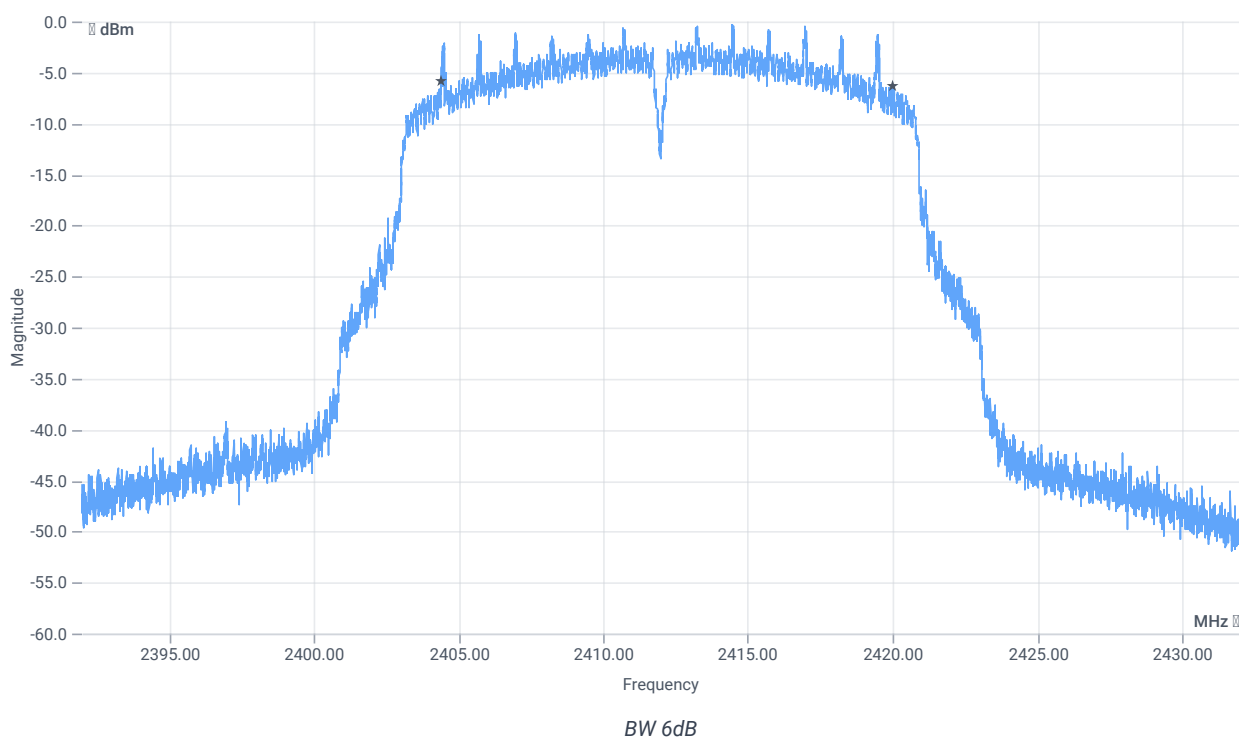
Test at TX 2412 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.17	dBm	INFO
Ref. frequency	---	---	2410.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.17 3.13 30
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	500	---	15616	kHz	PASS

Verdict

PASS

FCC 15.247 # Bandwidth 6dB DTS ~ WLAN2G4 n-HT20 mode

References

TC start	28.05.2026 13:49:52
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	
Description	FCC 15.247 Bandwidth 6dB DTS - WLAN2G4 n-HT20 mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

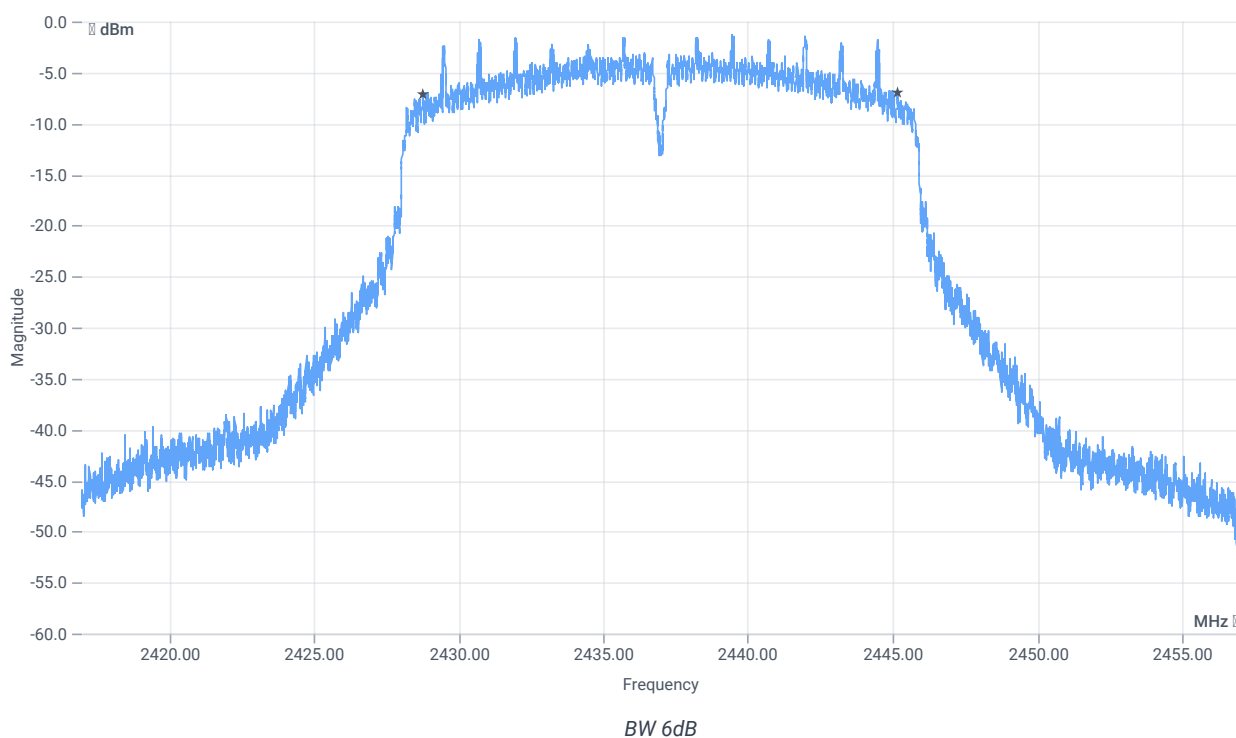
Test at TX 2437 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.36	dBm	INFO
Ref. frequency	---	---	2438.300	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.36 3.15 30
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	500	---	16432	kHz	PASS

Verdict

PASS

FCC 15.247 # Bandwidth 6dB DTS ~ WLAN2G4 n-HT20 mode

References

TC start	28.05.2026 14:16:28
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	
Description	FCC 15.247 Bandwidth 6dB DTS - WLAN2G4 n-HT20 mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

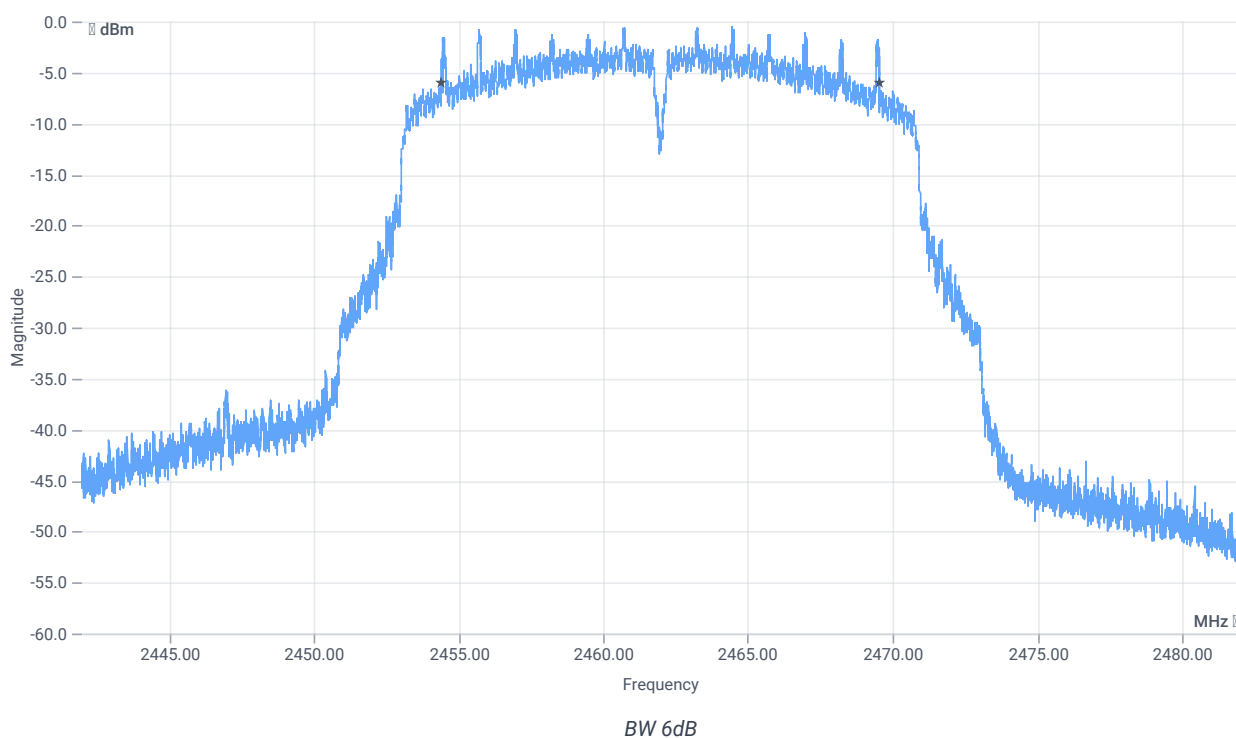
Test at TX 2462 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.97	dBm	INFO
Ref. frequency	---	---	2460.700	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.97 3.12 30
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	500	---	15156	kHz	PASS

Verdict

PASS

FCC 15.247 # Bandwidth 6dB DTS ~ WLAN2G4 ax-HE20

References

TC start	28.05.2026 14:32:50
Ambit temp (test rack) [°C] humidity [rel%]	24.7 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	
Description	FCC 15.247 Bandwidth 6dB DTS - WLAN2G4 ax-HE20
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

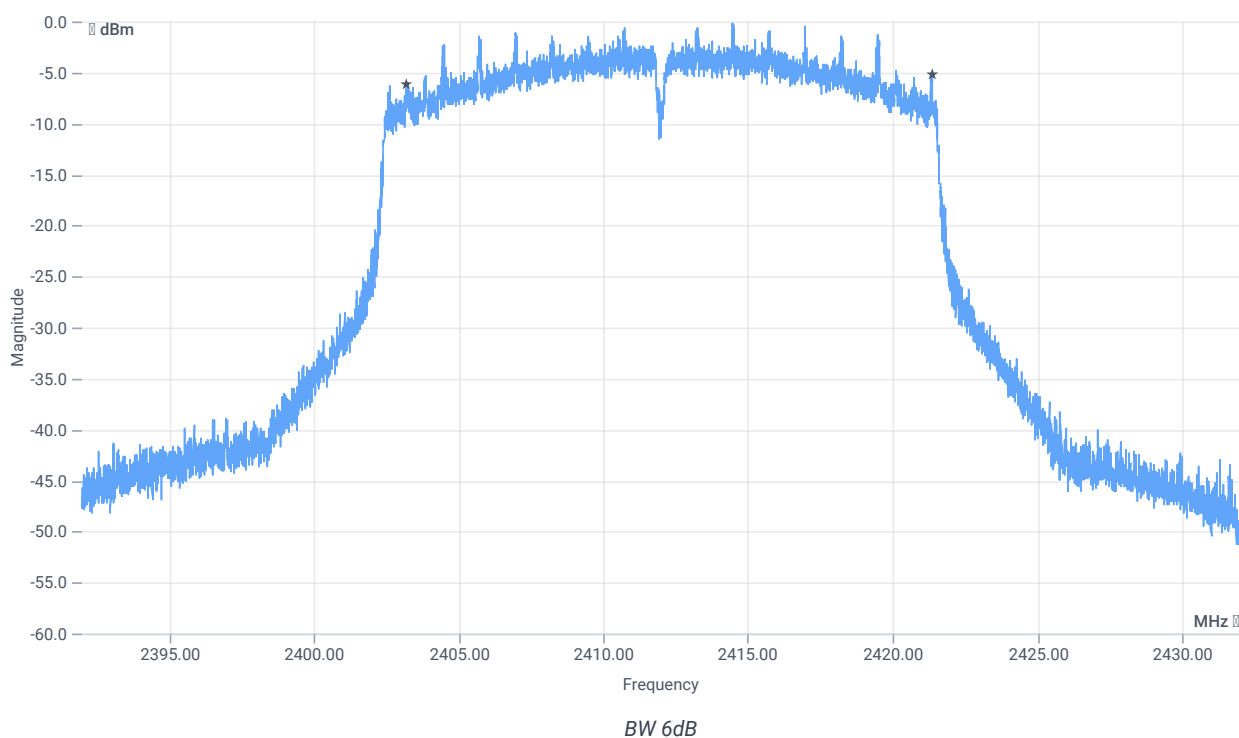
Test at TX 2412 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.24	dBm	INFO
Ref. frequency	---	---	2412.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.24 3.13 30
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	500	---	18140	kHz	PASS

Verdict

PASS

FCC 15.247 # Bandwidth 6dB DTS ~ WLAN2G4 ax-HE20

References

TC start	28.05.2026 14:53:39
Ambit temp (test rack) [°C] humidity [rel%]	24.8 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	
Description	FCC 15.247 Bandwidth 6dB DTS - WLAN2G4 ax-HE20
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

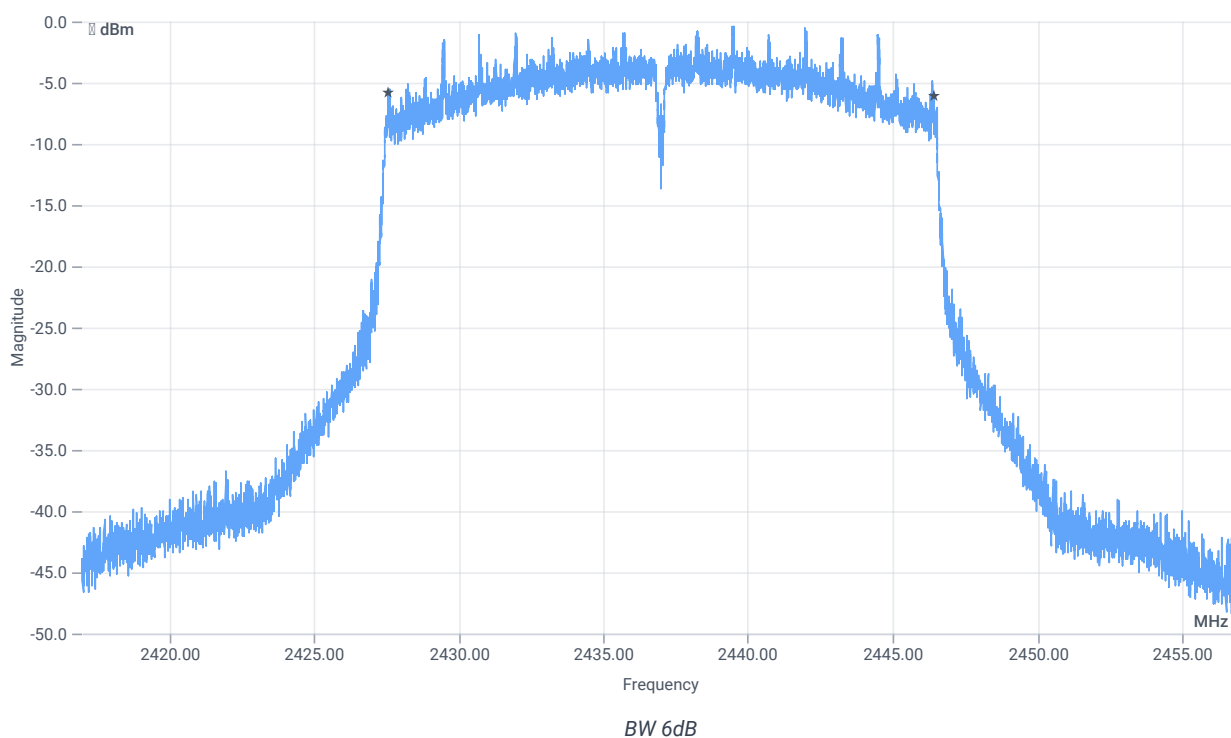
Test at TX 2437 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.40	dBm	INFO
Ref. frequency	---	---	2434.900	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.40 3.15 30
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	500	---	18816	kHz	PASS

Verdict

PASS

FCC 15.247 # Bandwidth 6dB DTS ~ WLAN2G4 ax-HE20

References

TC start	28.05.2026 15:18:39
Ambit temp (test rack) [°C] humidity [rel%]	24.6 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	
Description	FCC 15.247 Bandwidth 6dB DTS - WLAN2G4 ax-HE20
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

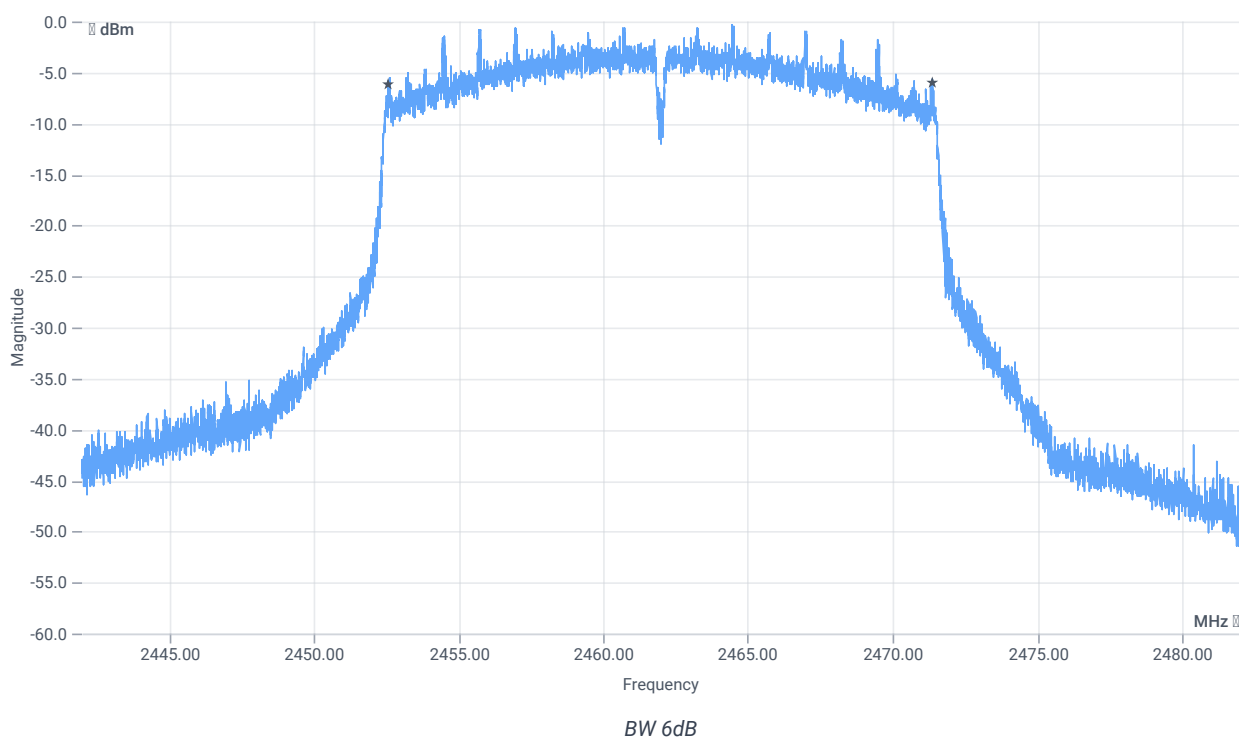
Test at TX 2462 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.72	dBm	INFO
Ref. frequency	---	---	2460.500	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.72 3.12 30
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	500	---	18804	kHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	28.05.2026 11:21:12
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

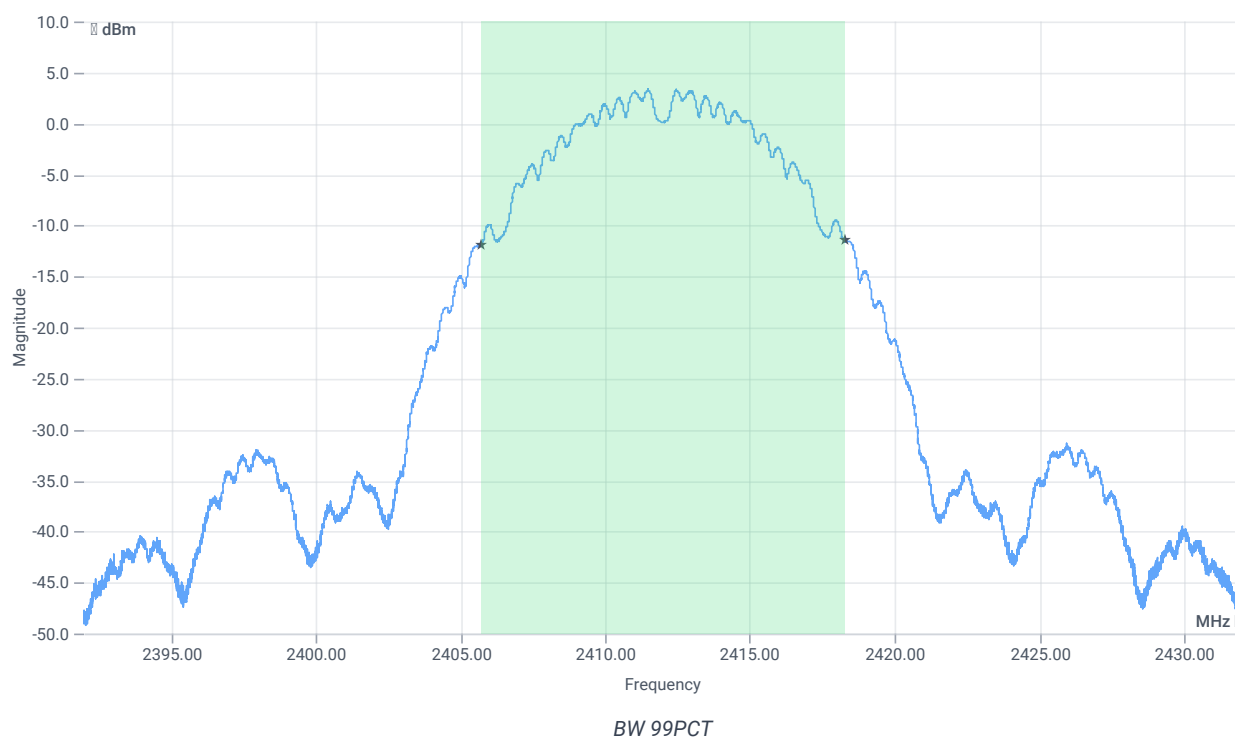
Test at TX 2412 MHz

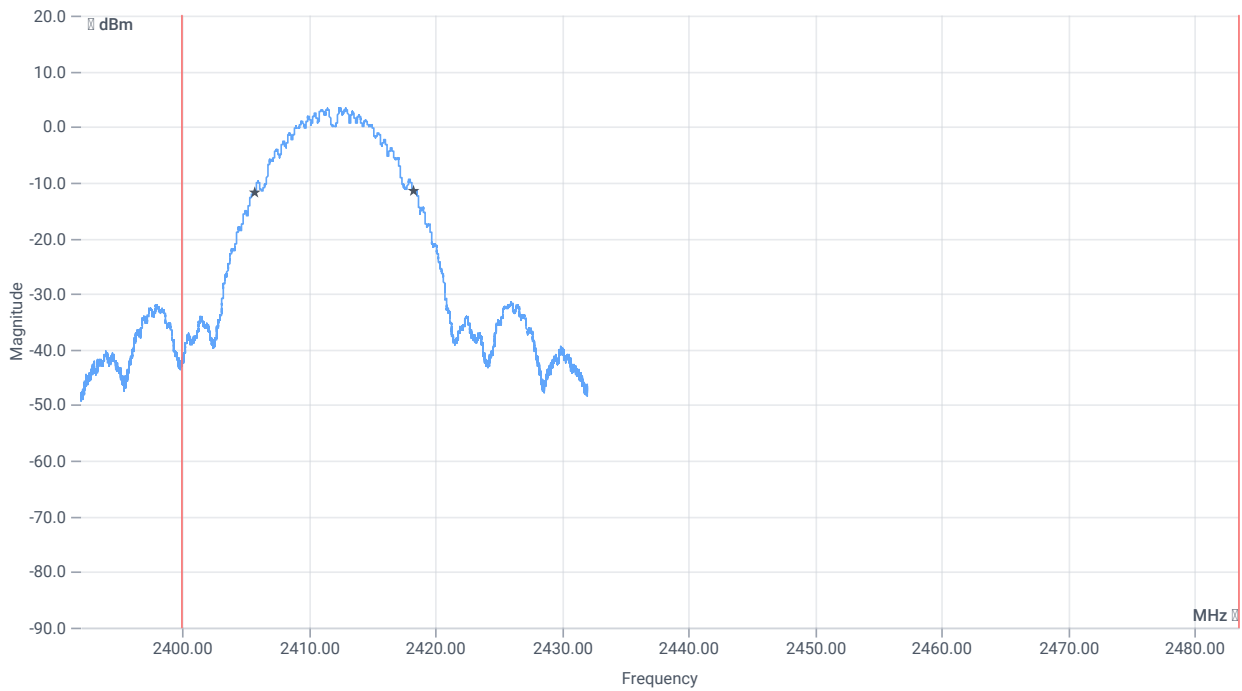
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.90	dBm	INFO
Ref. frequency	---	---	2413.100	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.90 3.13 25
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

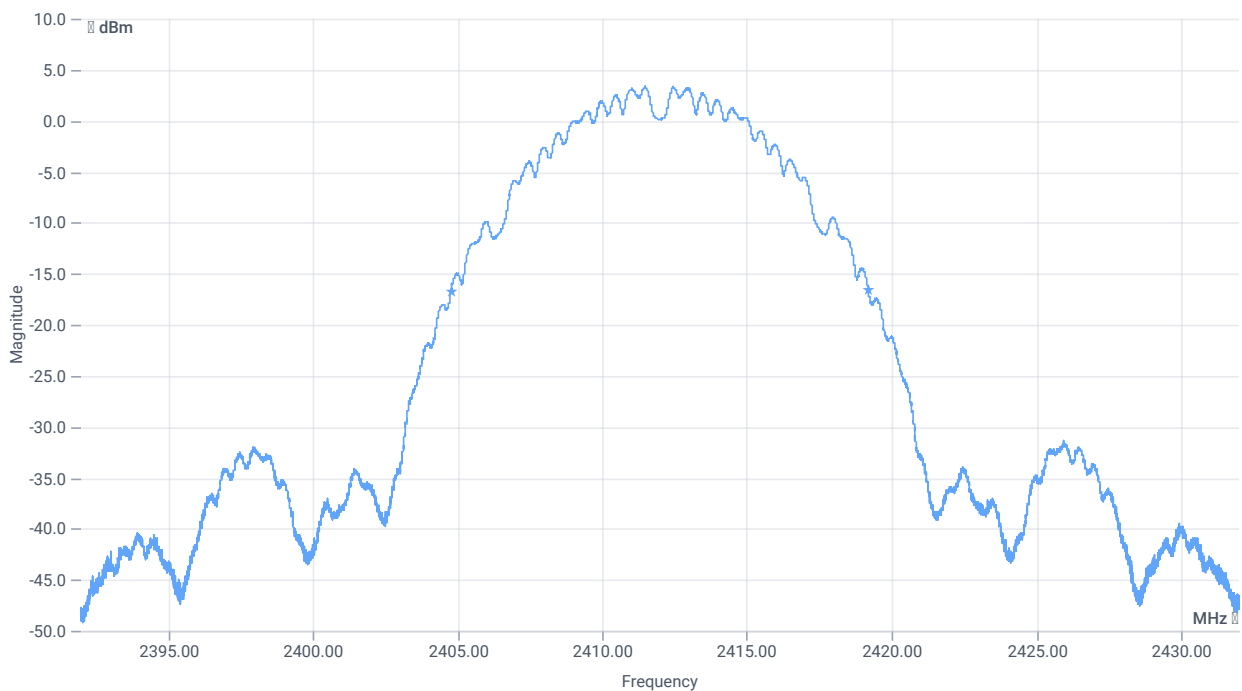




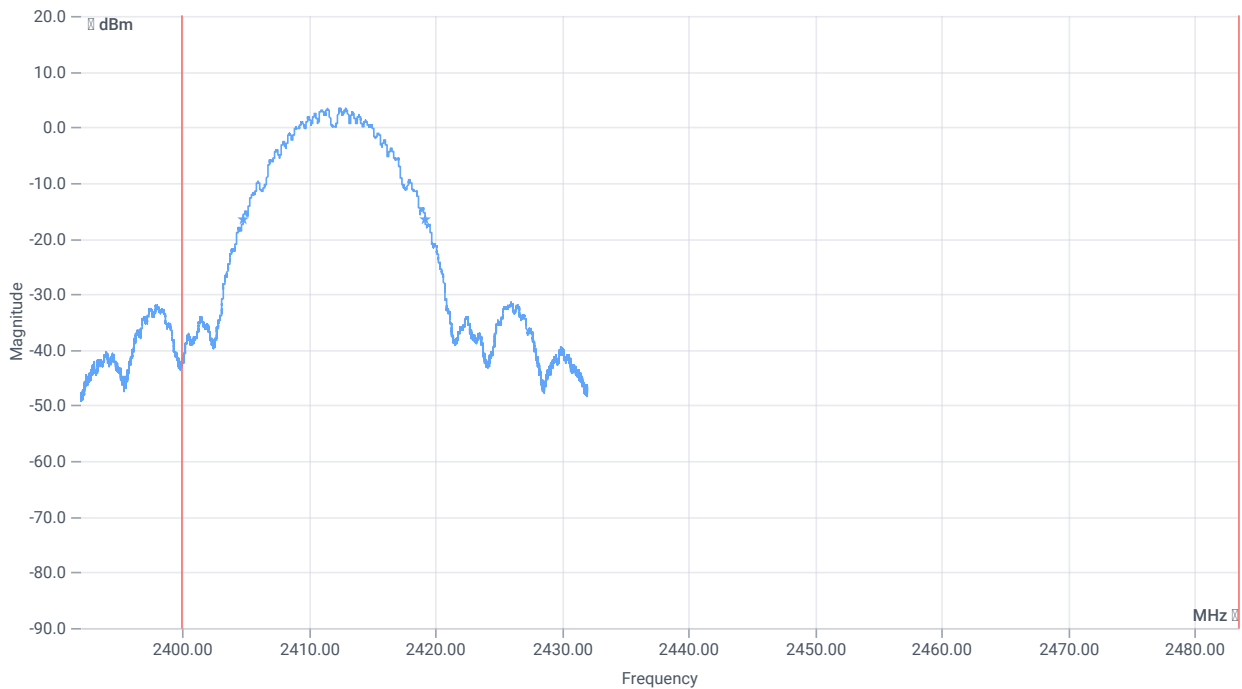
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	12571.000	kHz	INFO
T1 99%	2400.000000	---	2405.7406	MHz	PASS
T2 99%	---	2483.500000	2418.3114	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	14420	kHz	INFO
T1 20dB	2400.000000	---	2404.7800	MHz	PASS
T2 20dB	---	2483.500000	2419.2000	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	28.05.2026 11:37:27
Ambit temp (test rack) [°C] humidity [rel%]	24.5 41
System version	6.0.7.4
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

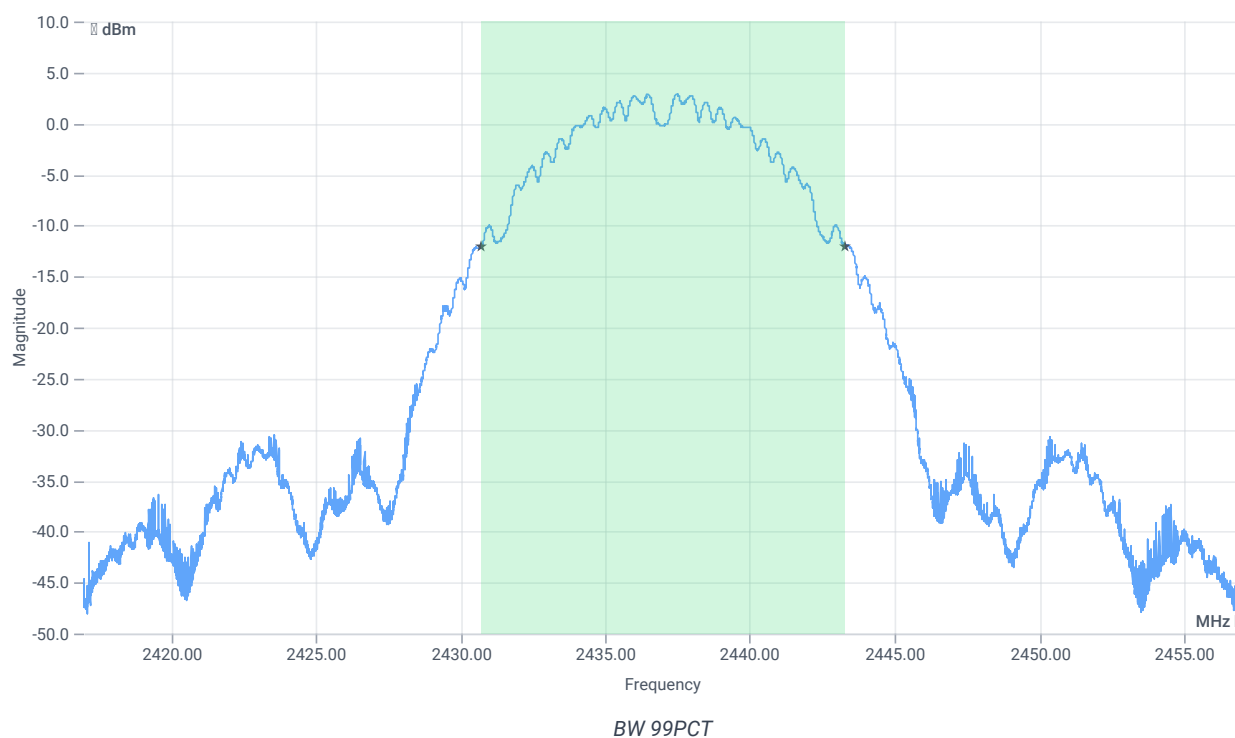
Test at TX 2437 MHz

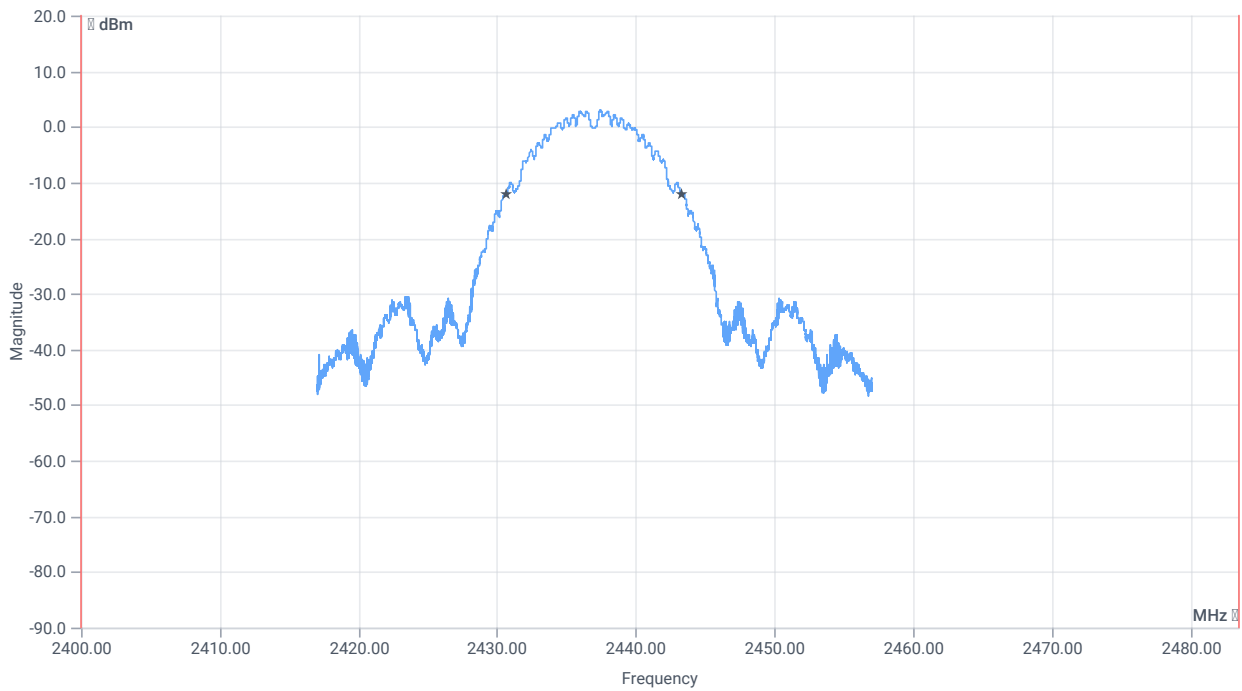
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.42	dBm	INFO
Ref. frequency	---	---	2438.100	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.42 3.15 25
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

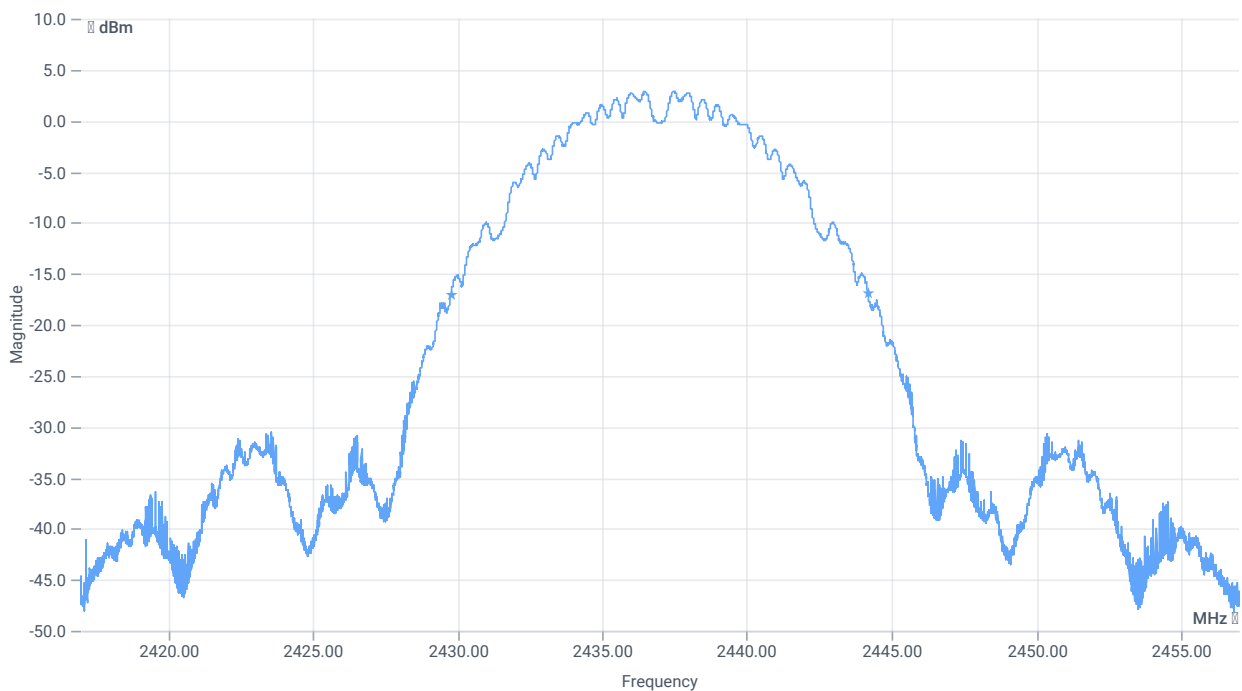




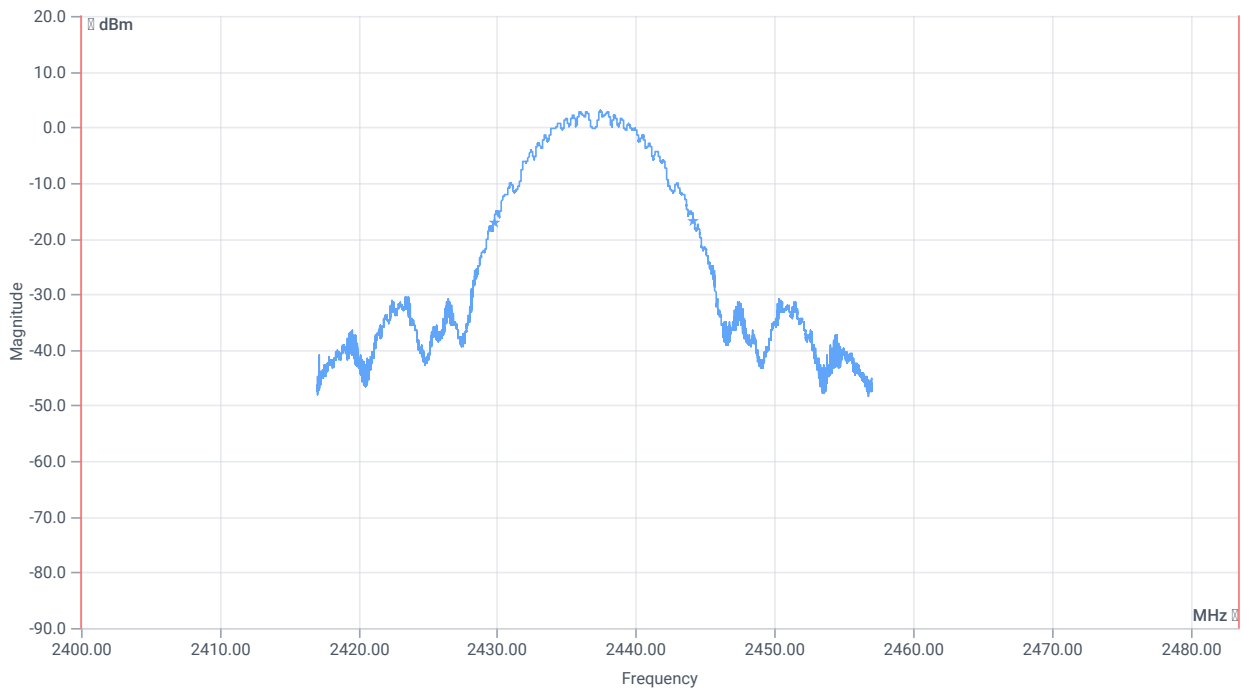
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	12595.000	kHz	INFO
T1 99%	2400.000000	---	2430.6966	MHz	PASS
T2 99%	---	2483.500000	2443.2914	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	14420	kHz	INFO
T1 20dB	2400.000000	---	2429.7720	MHz	PASS
T2 20dB	---	2483.500000	2444.1920	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	28.05.2026 12:18:55
Ambit temp (test rack) [°C] humidity [rel%]	24.5 41
System version	6.0.7.4
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

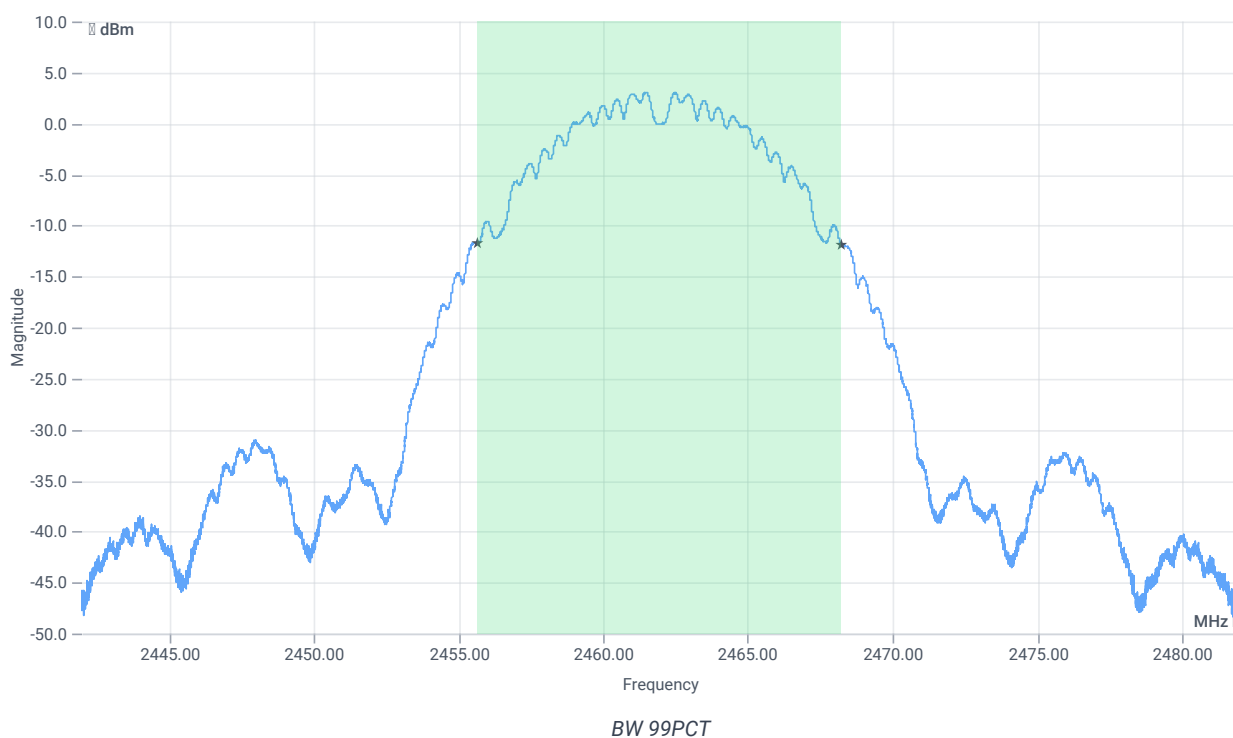
Test at TX 2462 MHz

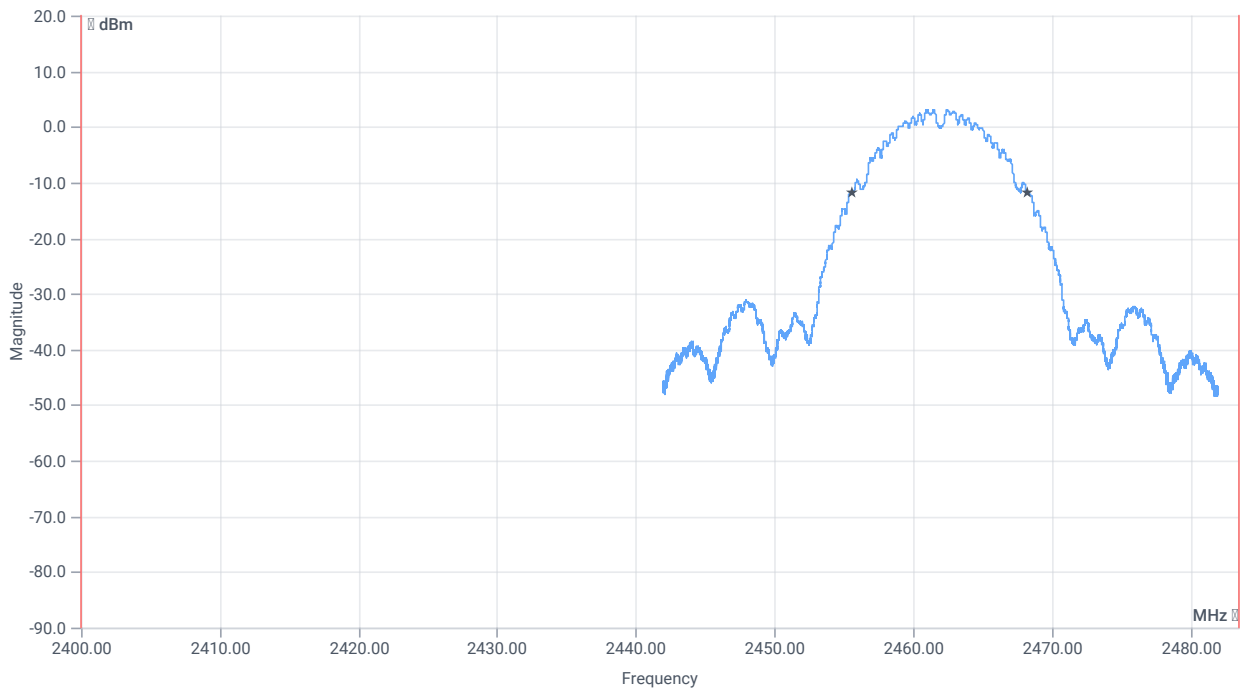
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.69	dBm	INFO
Ref. frequency	---	---	2460.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.69 3.12 25
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

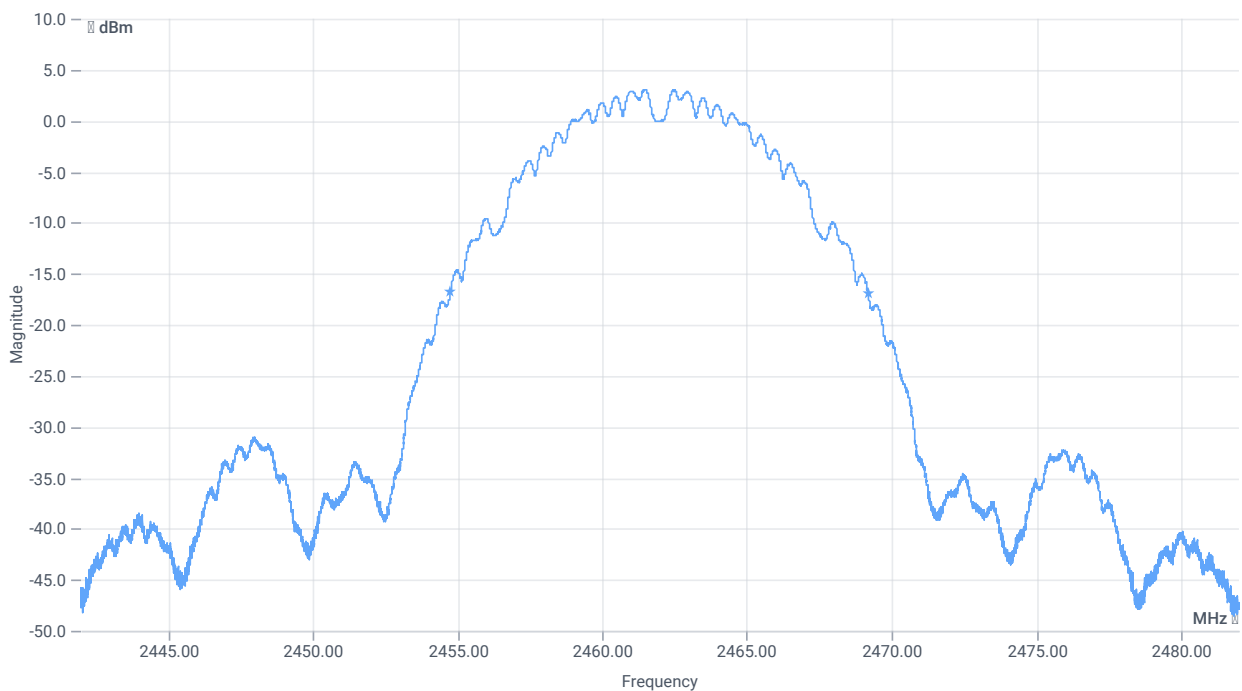




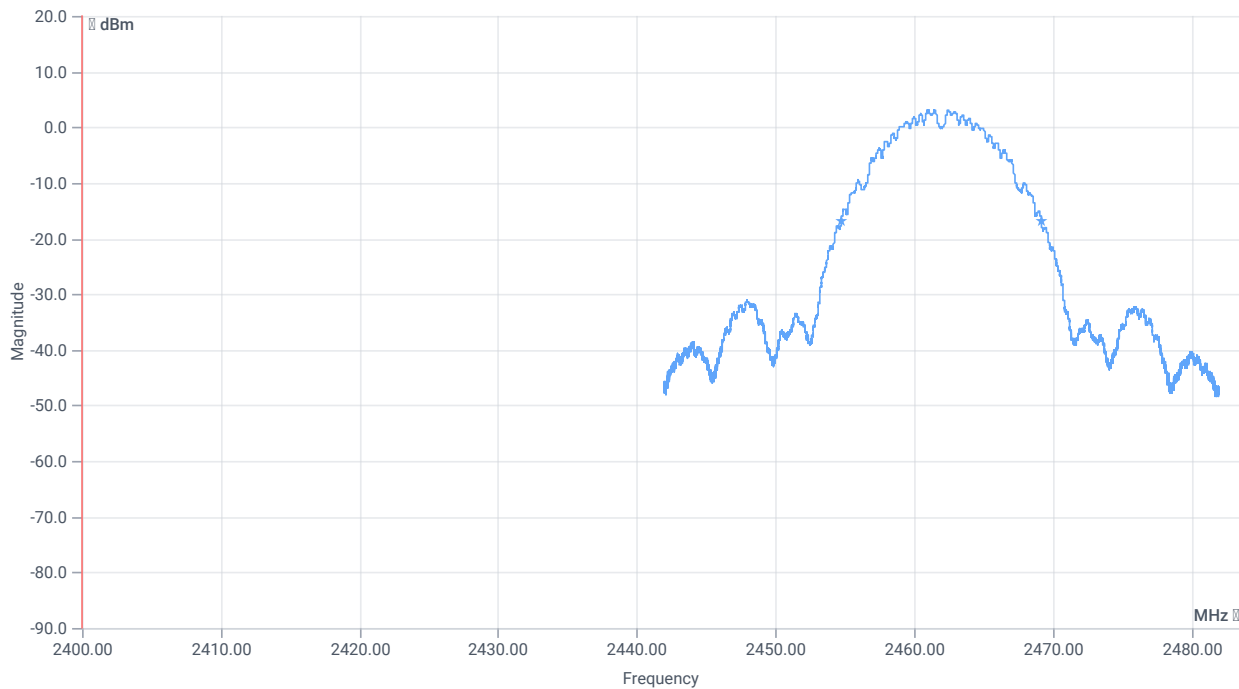
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	12611.000	kHz	INFO
T1 99%	2400.000000	---	2455.6446	MHz	PASS
T2 99%	---	2483.500000	2468.2554	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	14432	kHz	INFO
T1 20dB	2400.000000	---	2454.7560	MHz	PASS
T2 20dB	---	2483.500000	2469.1880	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	28.05.2026 12:37:37
Ambit temp (test rack) [°C] humidity [rel%]	24.5 41
System version	6.0.7.4
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

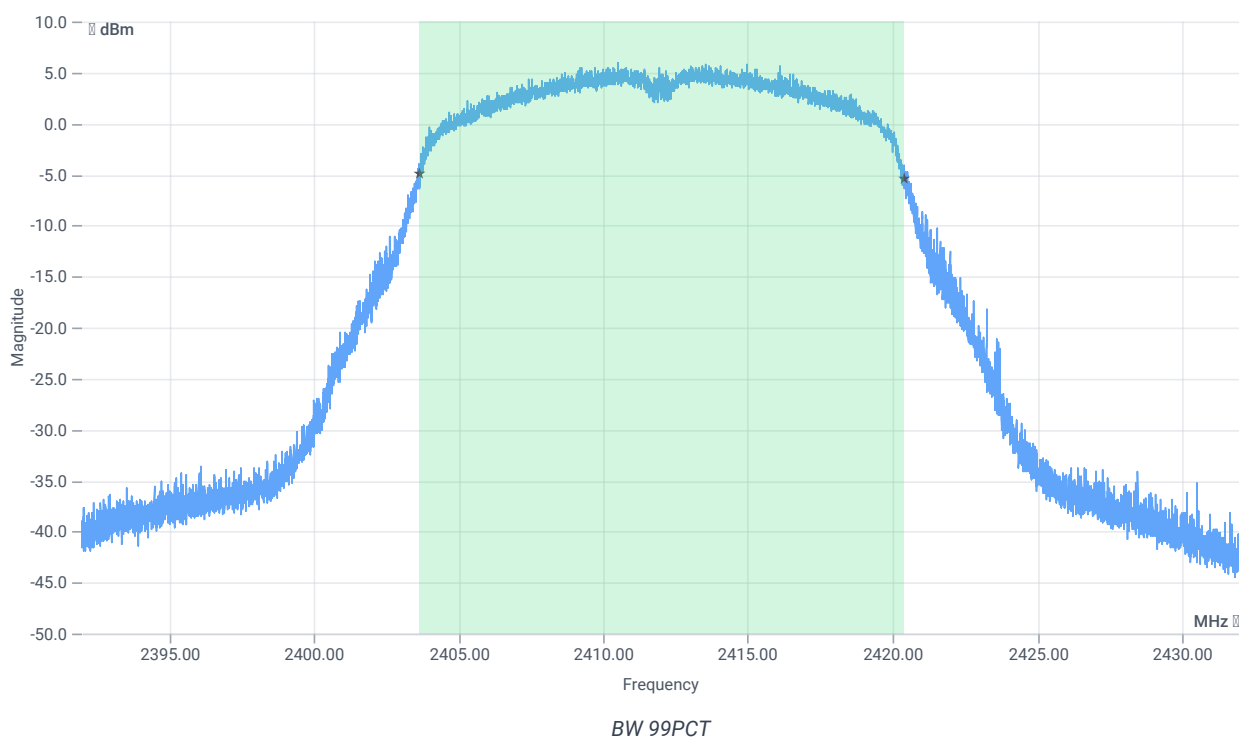
Test at TX 2412 MHz

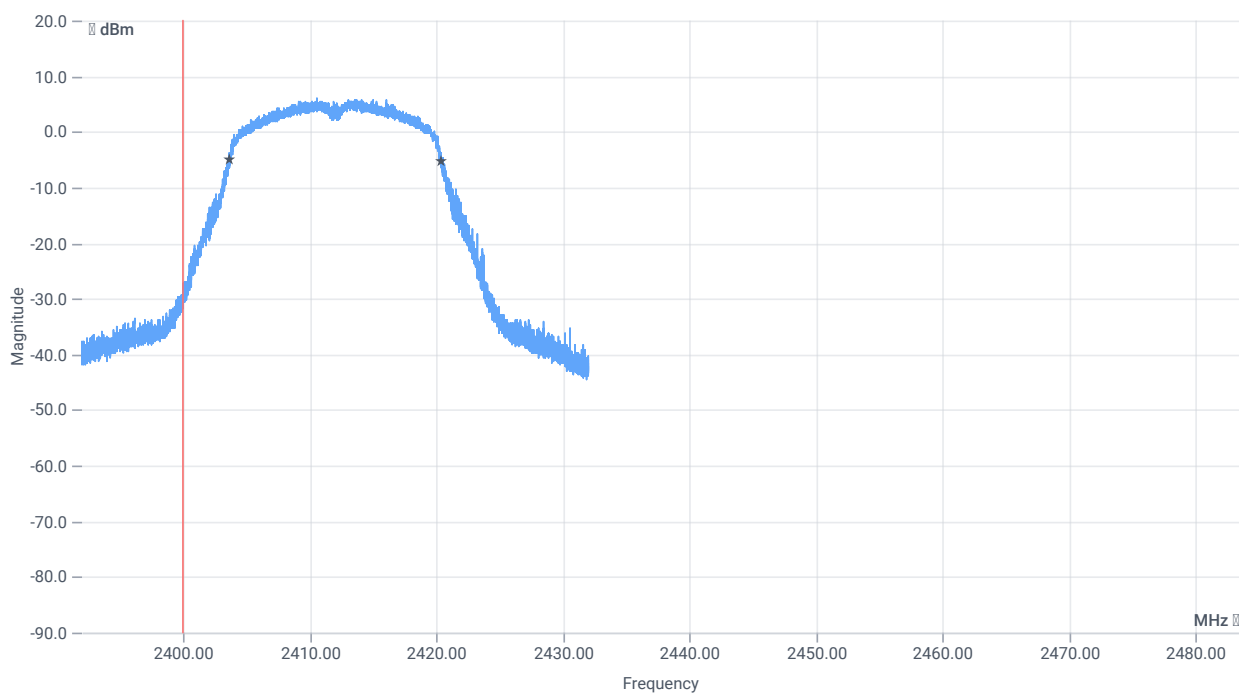
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.57	dBm	INFO
Ref. frequency	---	---	2413.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.57 3.13 30
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

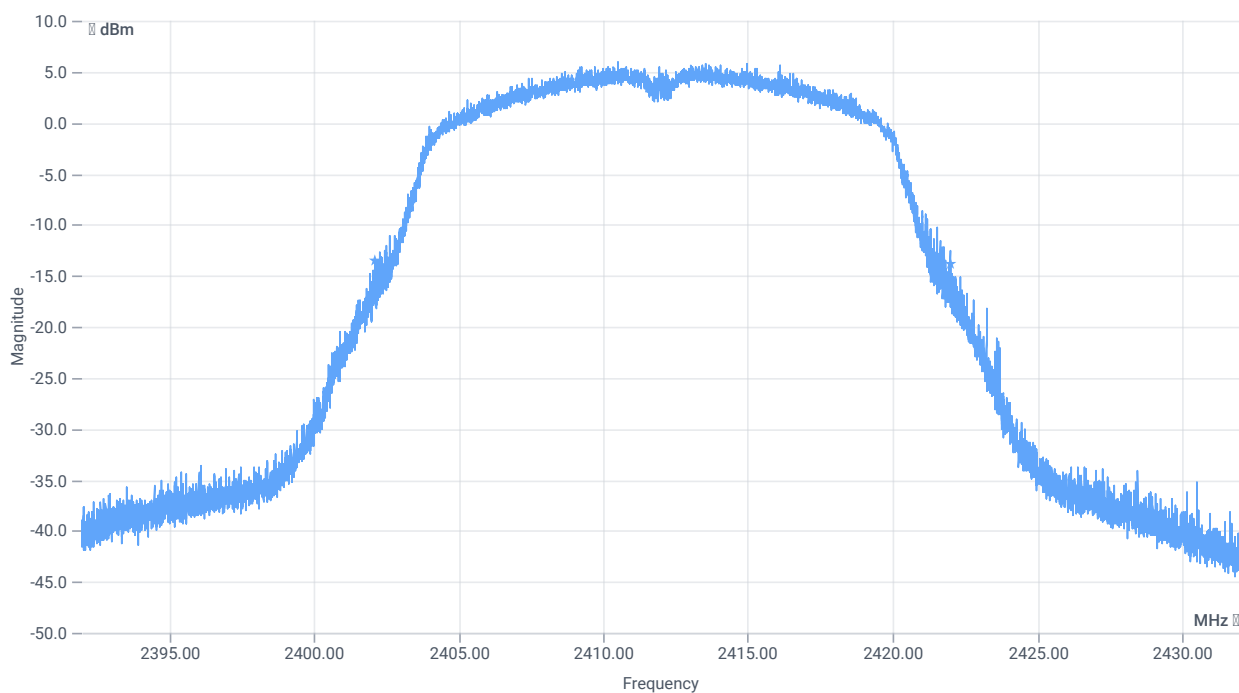




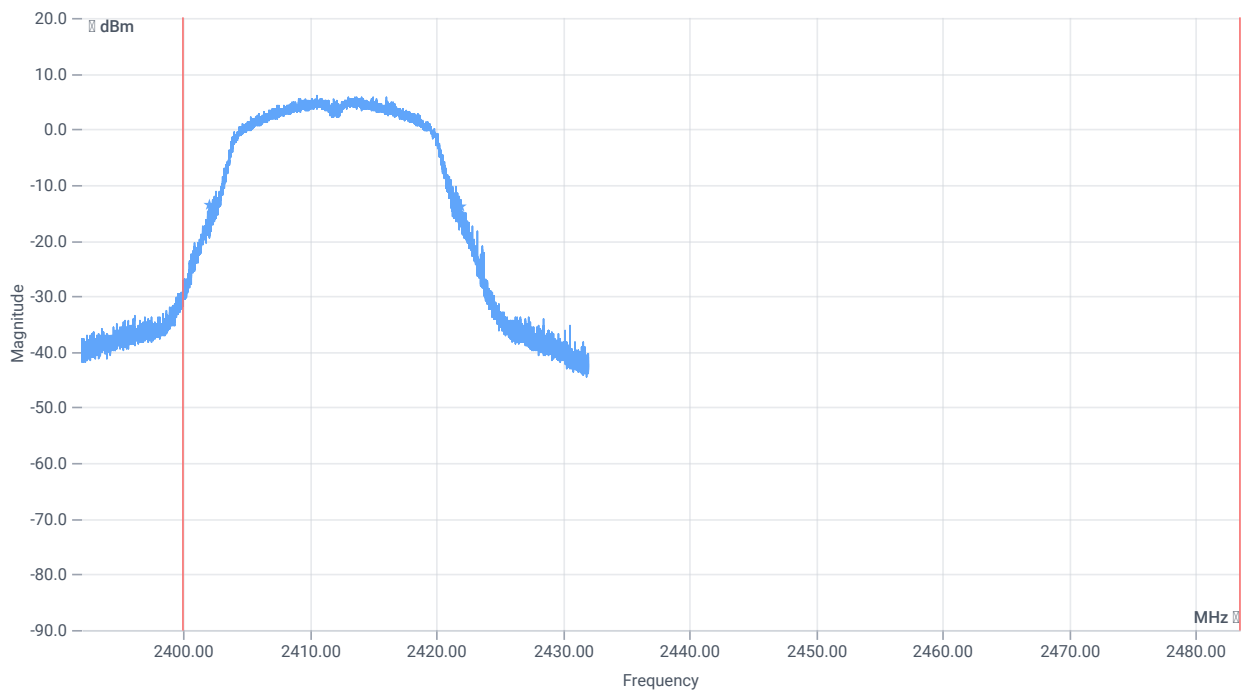
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	16702.000	kHz	INFO
T1 99%	2400.000000	---	2403.6728	MHz	PASS
T2 99%	---	2483.500000	2420.3752	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	19896	kHz	INFO
T1 20dB	2400.000000	---	2402.0920	MHz	PASS
T2 20dB	---	2483.500000	2421.9880	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	28.05.2026 12:55:01
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

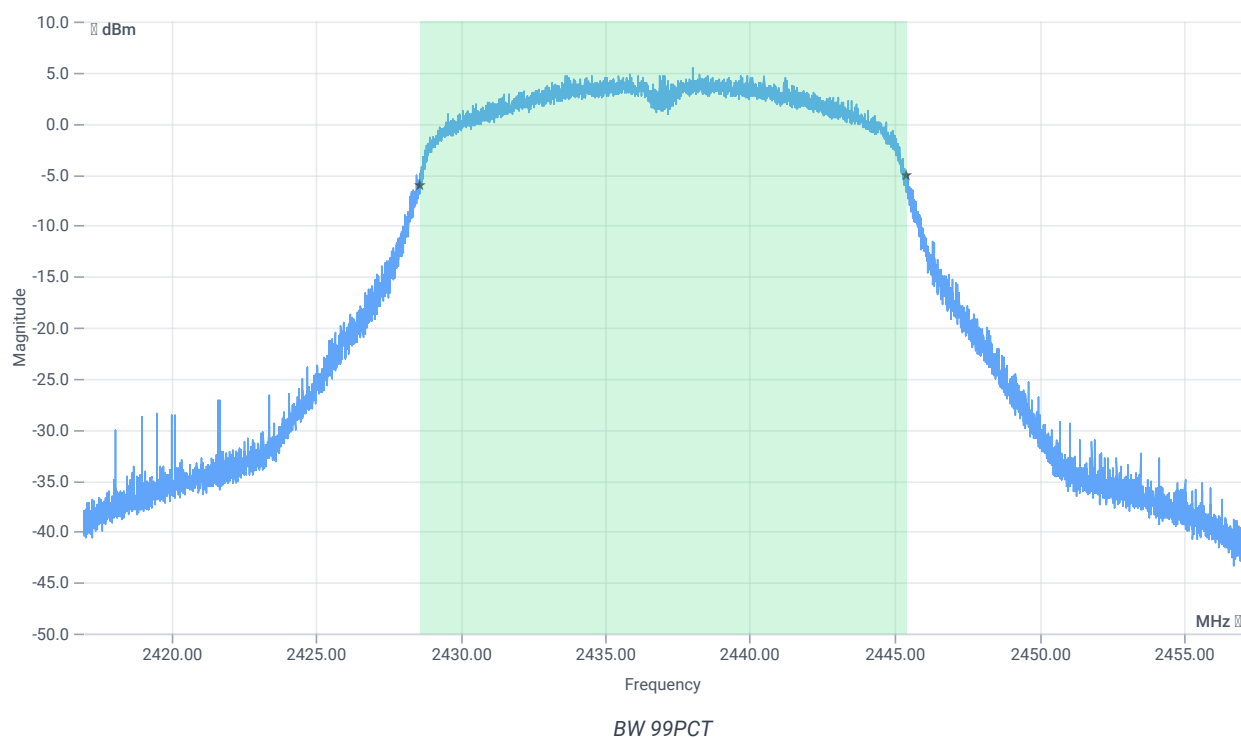
Test at TX 2437 MHz

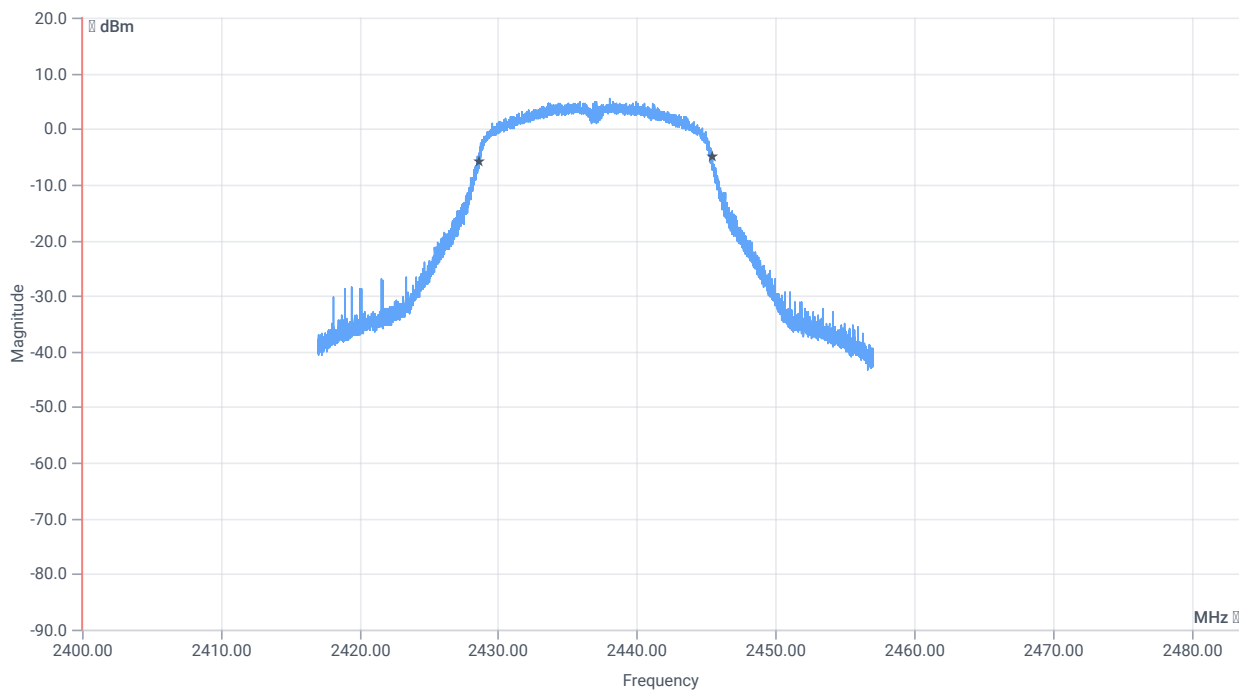
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.64	dBm	INFO
Ref. frequency	---	---	2439.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.64 3.15 25
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

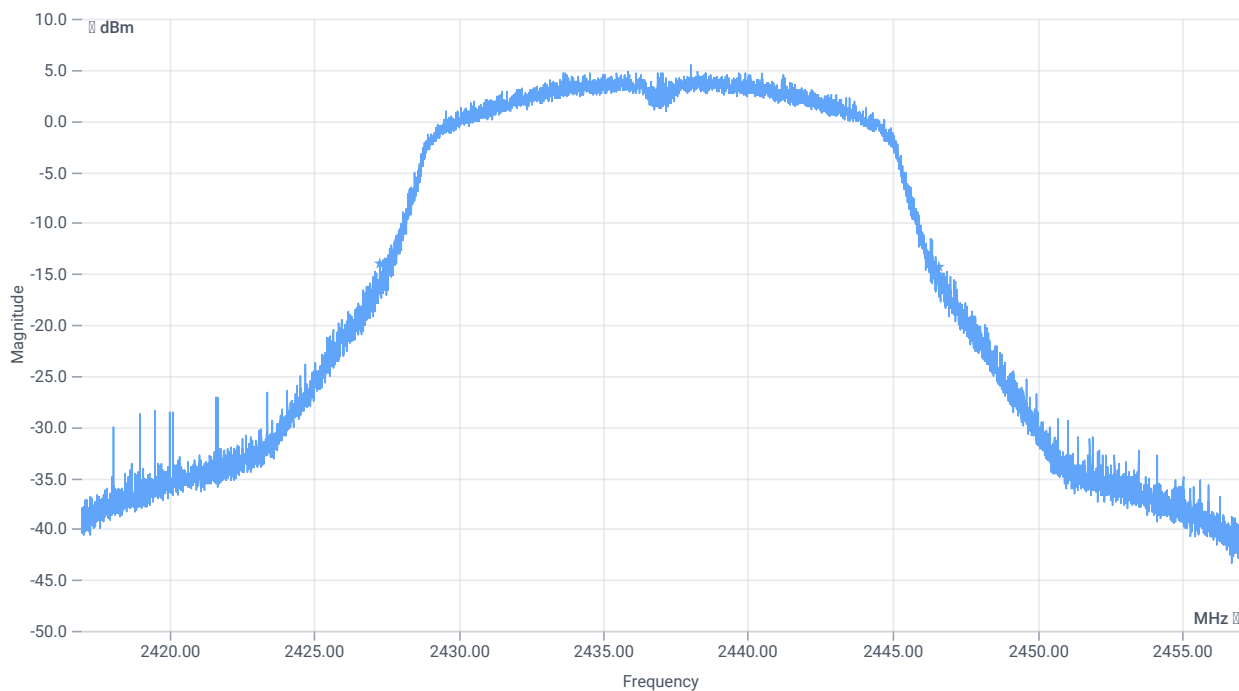




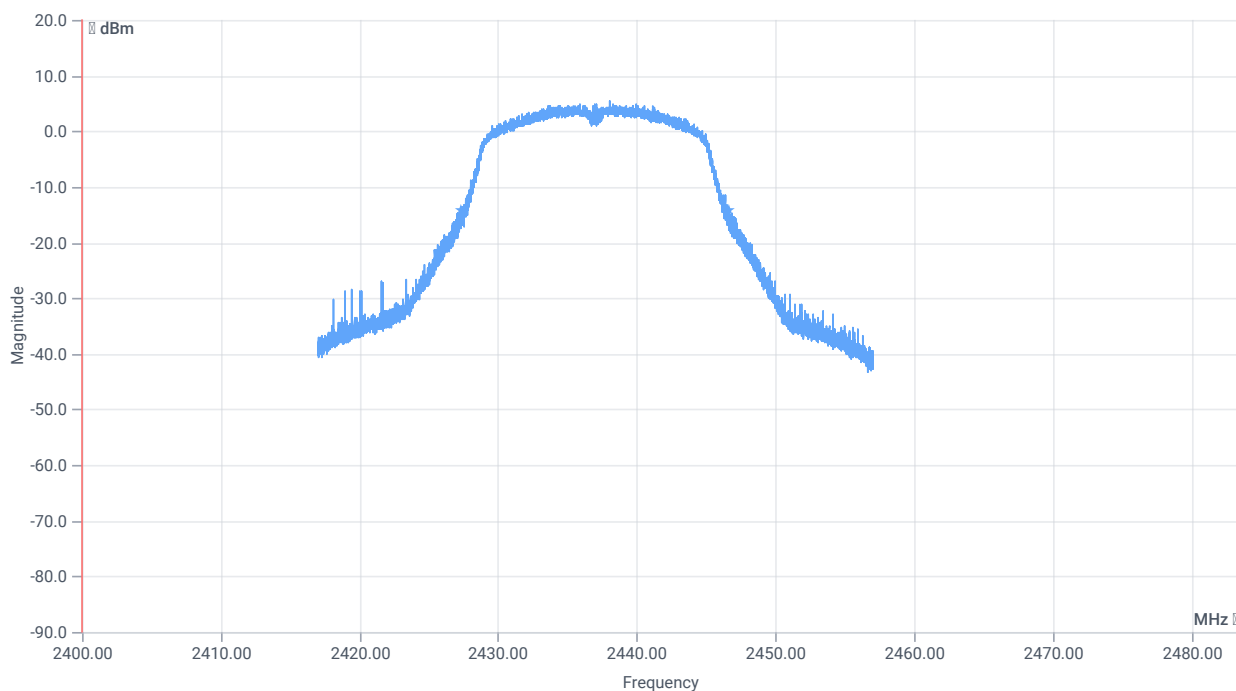
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	16846.000	kHz	INFO
T1 99%	2400.000000	---	2428.5728	MHz	PASS
T2 99%	---	2483.500000	2445.4192	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	19316	kHz	INFO
T1 20dB	2400.000000	---	2427.2880	MHz	PASS
T2 20dB	---	2483.500000	2446.6040	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	28.05.2026 13:14:49
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

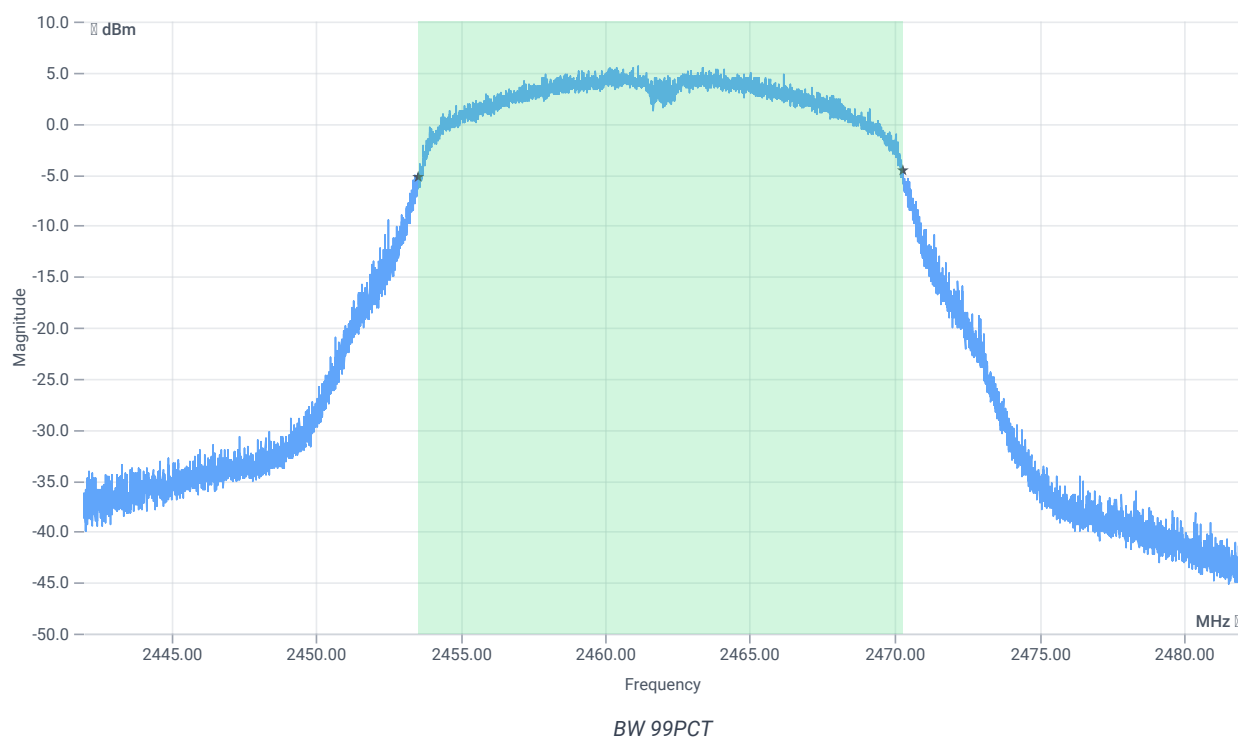
Test at TX 2462 MHz

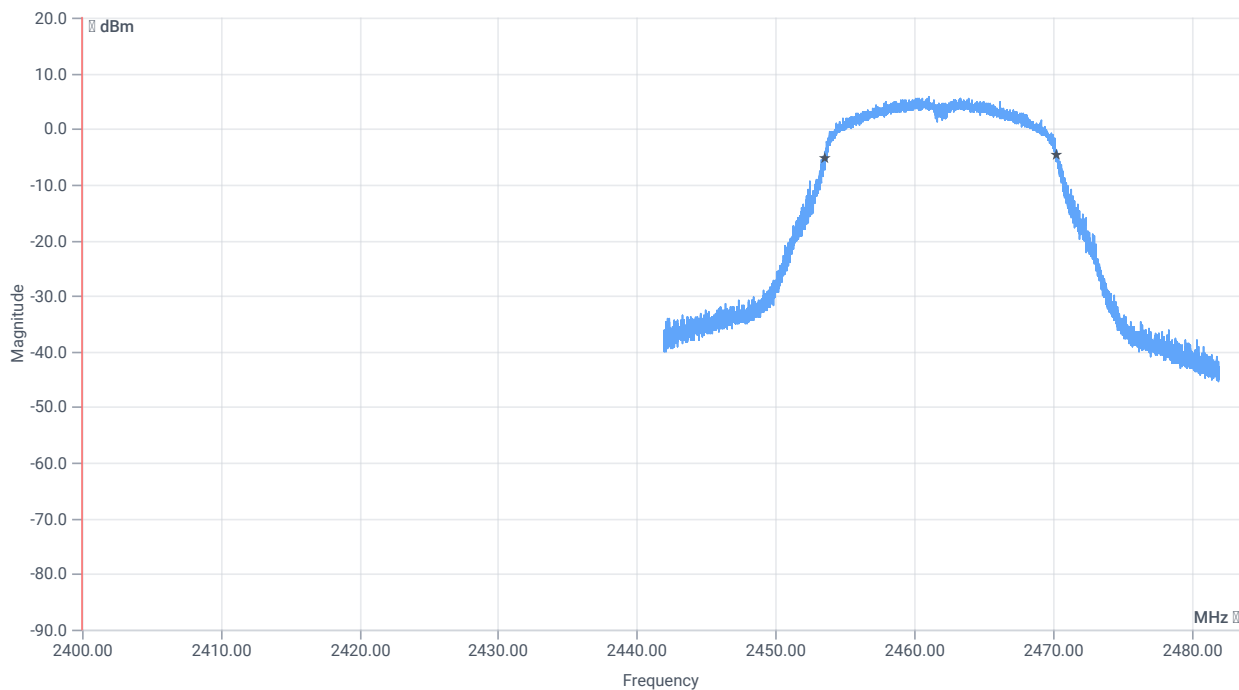
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.20	dBm	INFO
Ref. frequency	---	---	2463.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.20 3.12 30
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

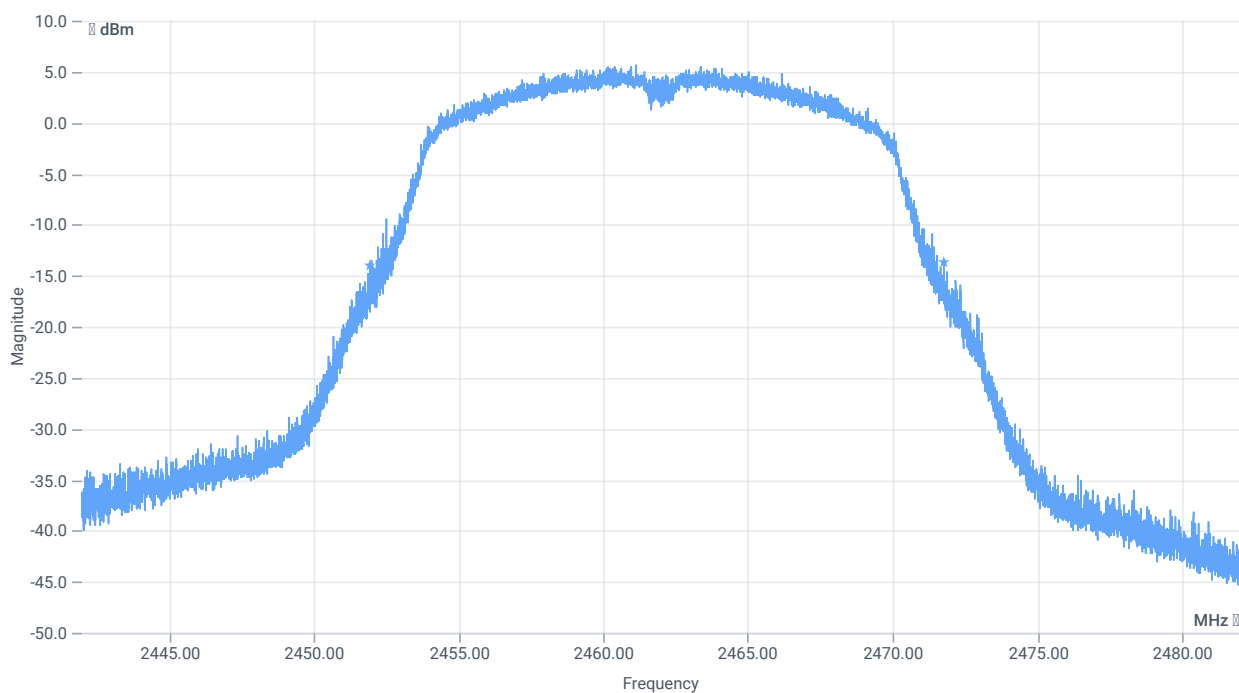




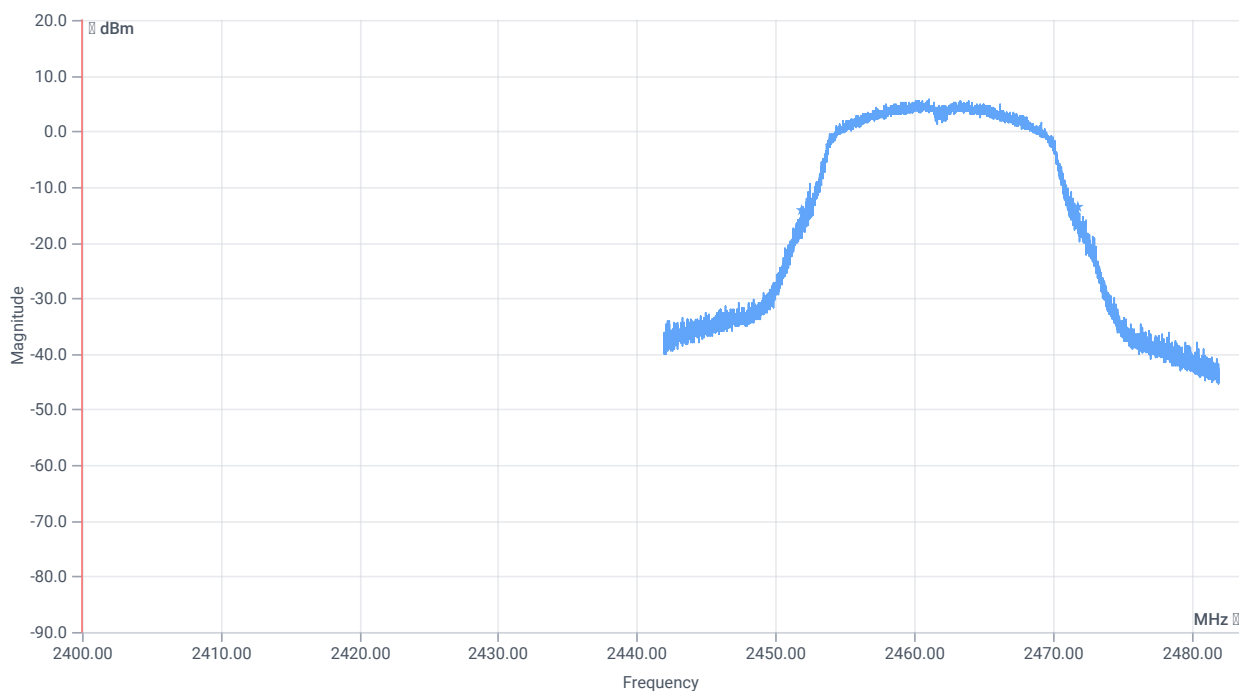
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	16730.000	kHz	INFO
T1 99%	2400.000000	---	2453.5608	MHz	PASS
T2 99%	---	2483.500000	2470.2912	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	19816	kHz	INFO
T1 20dB	2400.000000	---	2451.9440	MHz	PASS
T2 20dB	---	2483.500000	2471.7600	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 n-HT20 mode

References

TC start	28.05.2026 13:32:06
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 n-HT20 mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

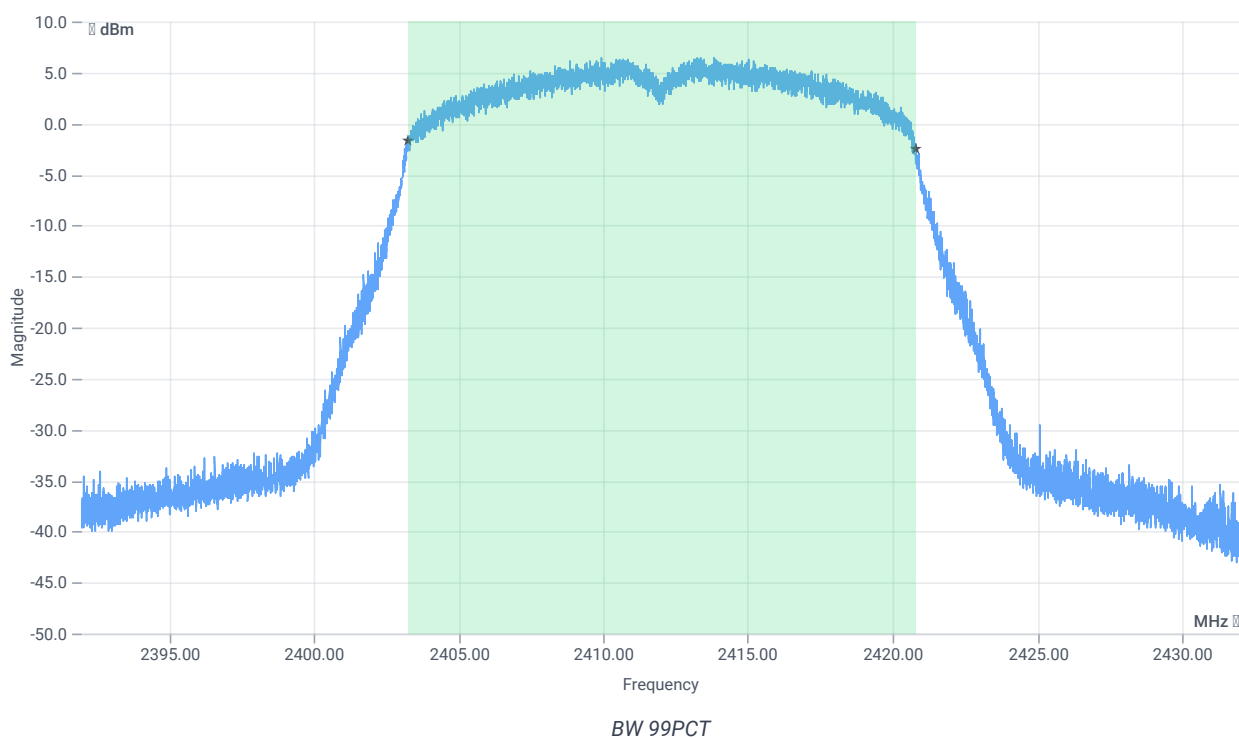
Test at TX 2412 MHz

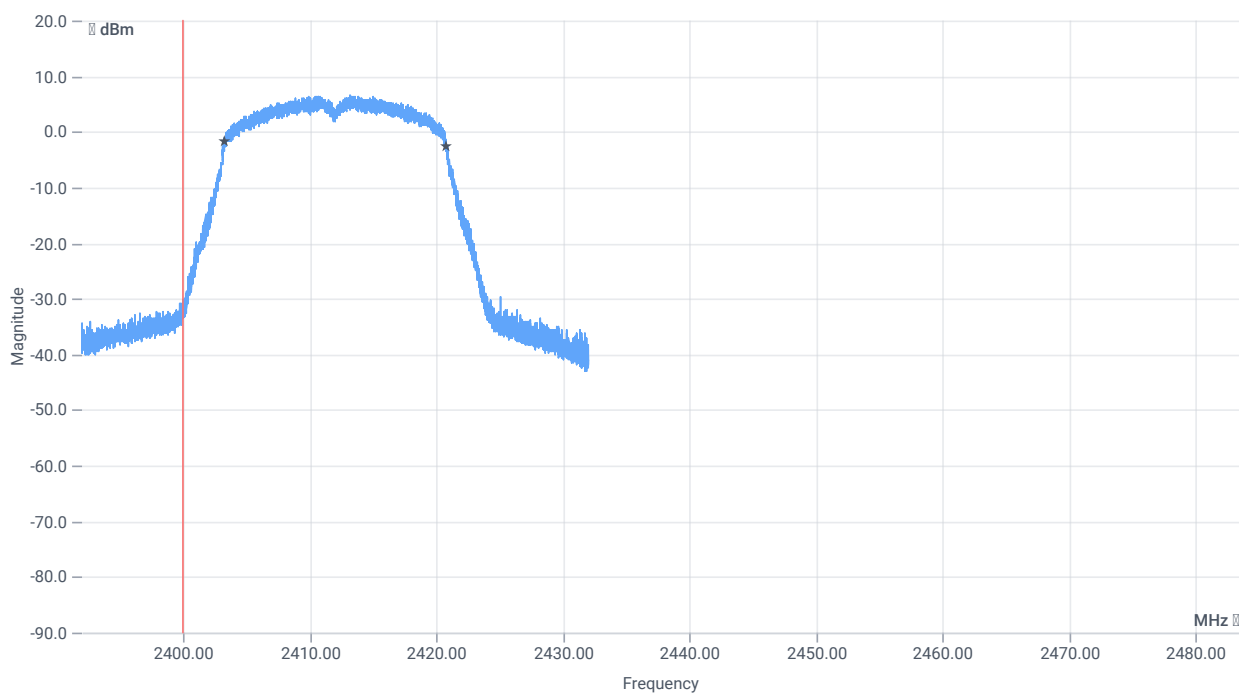
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.52	dBm	INFO
Ref. frequency	---	---	2414.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.52 3.13 30
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

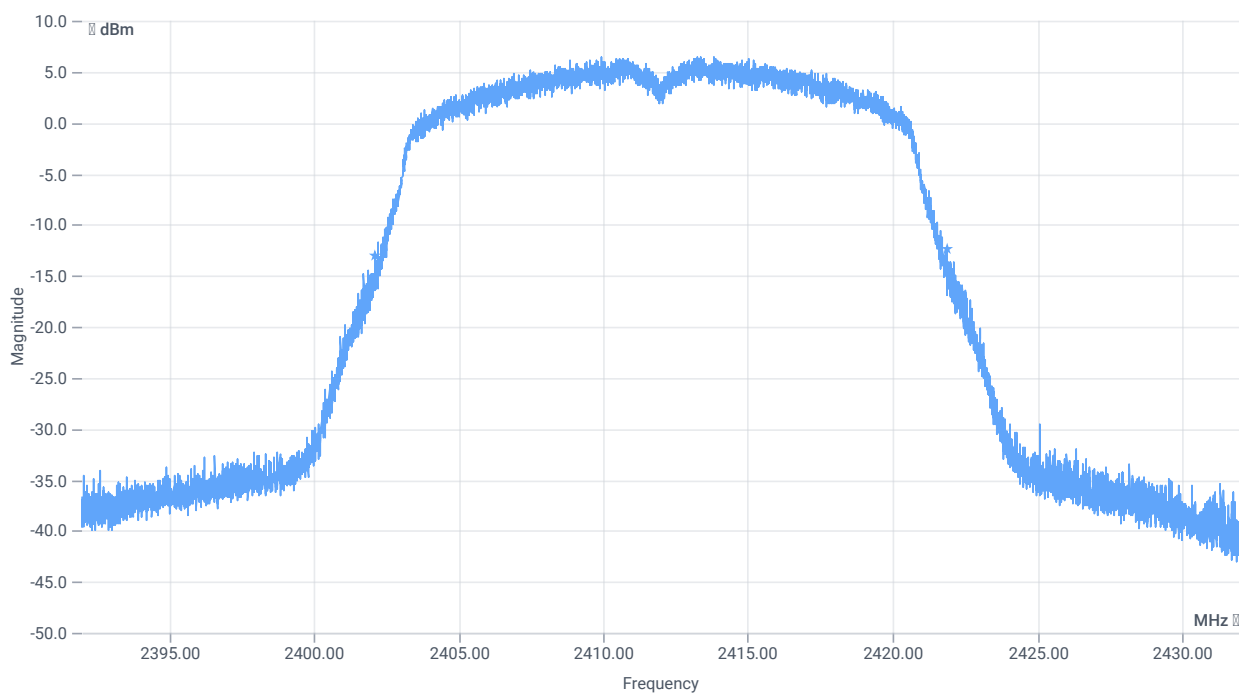




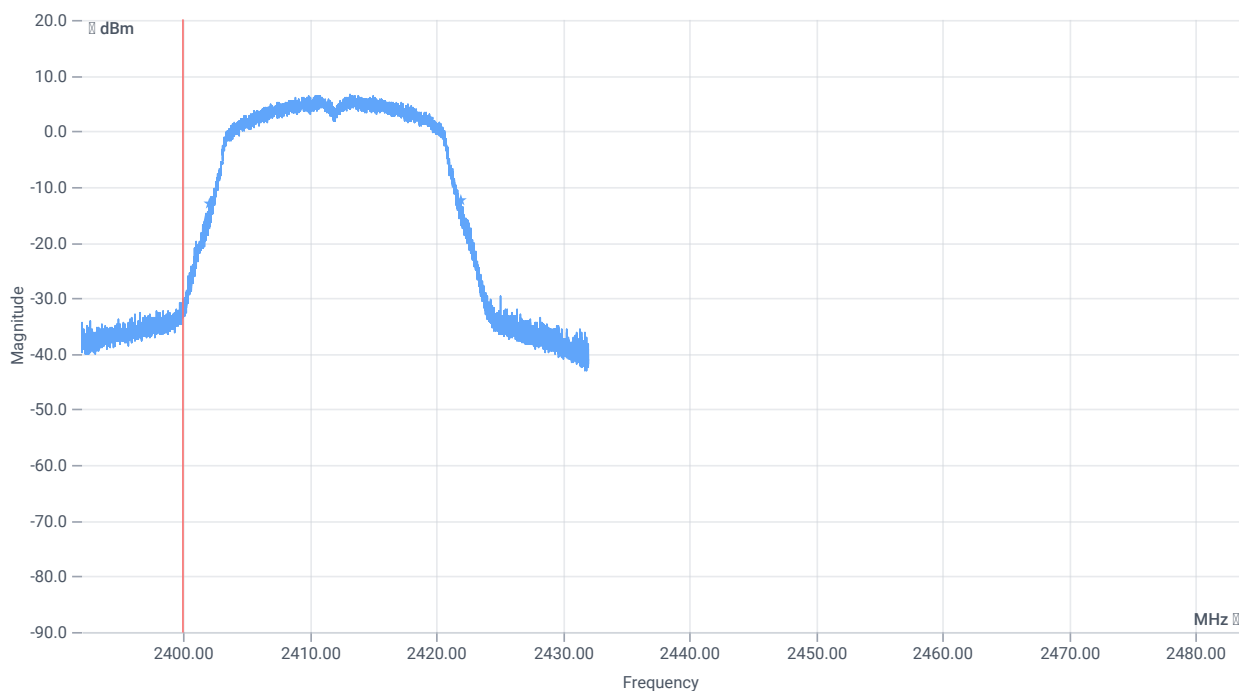
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	17542.000	kHz	INFO
T1 99%	2400.000000	---	2403.2409	MHz	PASS
T2 99%	---	2483.500000	2420.7831	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	19780	kHz	INFO
T1 20dB	2400.000000	---	2402.0960	MHz	PASS
T2 20dB	---	2483.500000	2421.8760	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 n-HT20 mode

References

TC start	28.05.2026 13:51:07
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 n-HT20 mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

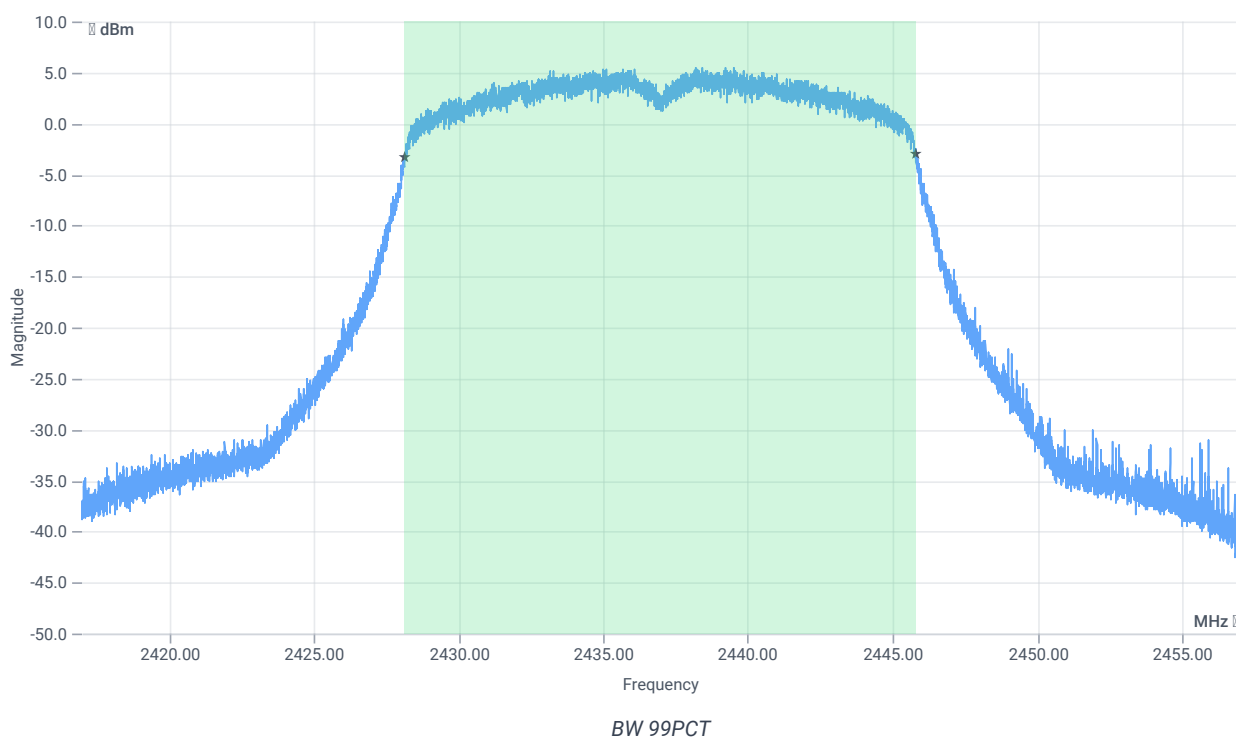
Test at TX 2437 MHz

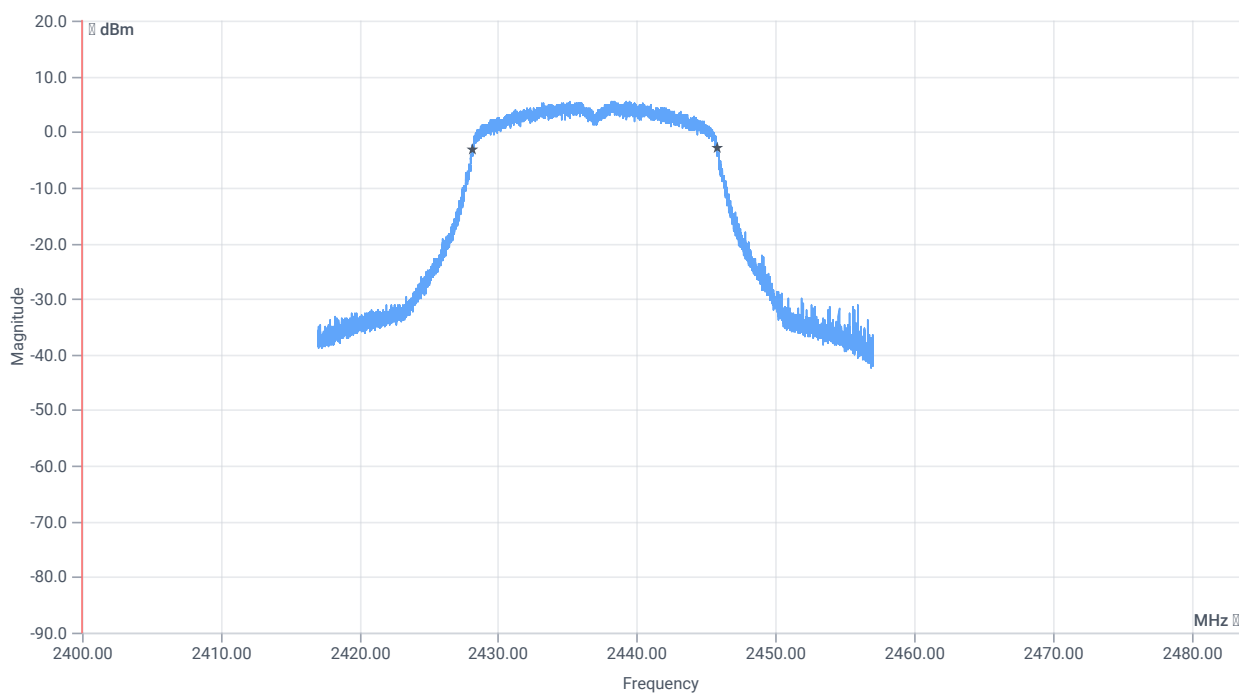
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.93	dBm	INFO
Ref. frequency	---	---	2438.500	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.93 3.15 25
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

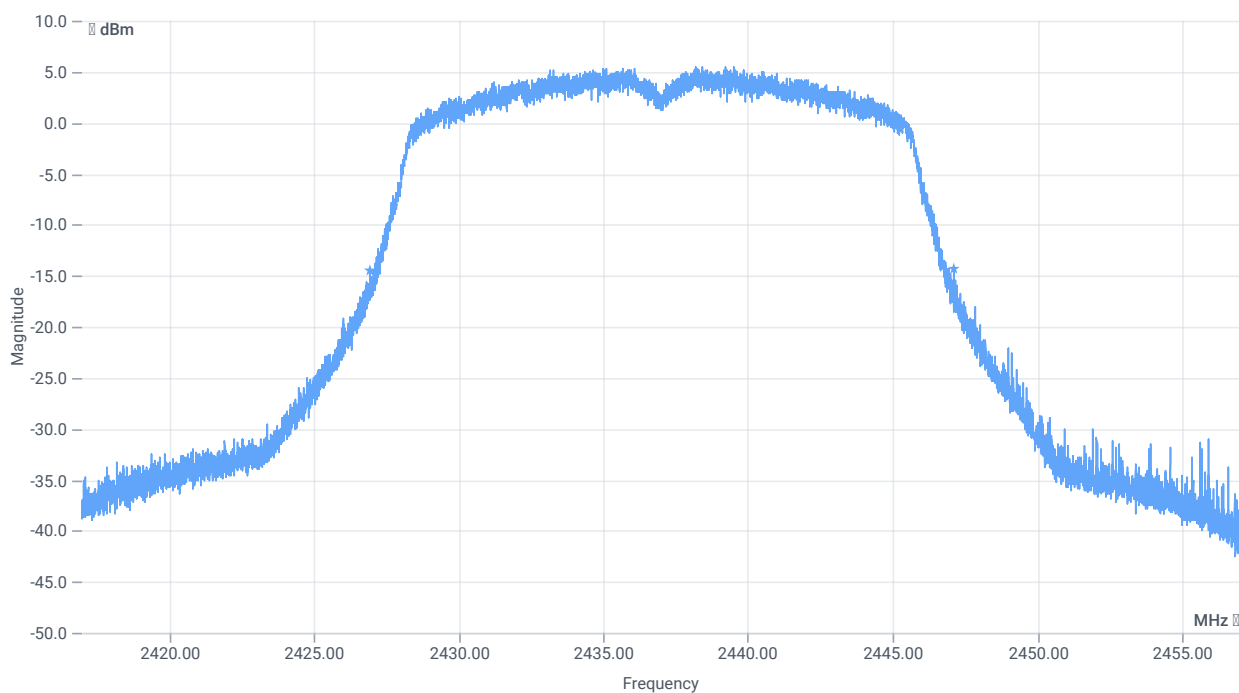




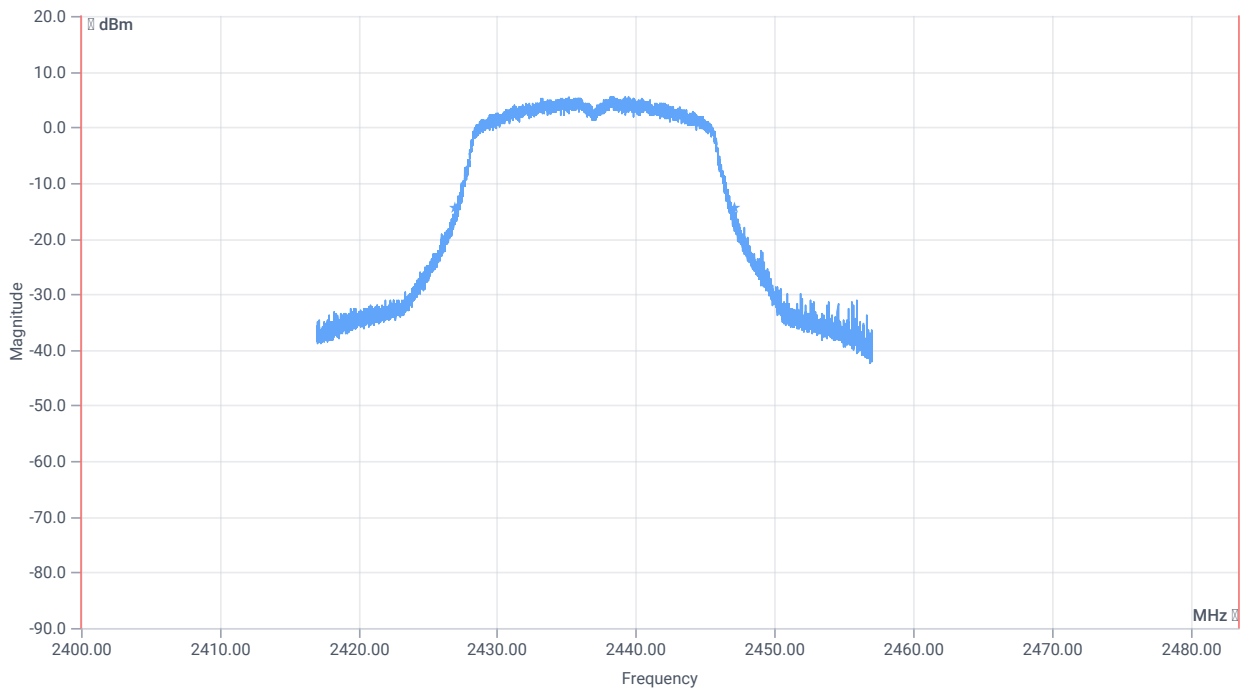
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	17666.000	kHz	INFO
T1 99%	2400.000000	---	2428.1569	MHz	PASS
T2 99%	---	2483.500000	2445.8231	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	20140	kHz	INFO
T1 20dB	2400.000000	---	2426.9600	MHz	PASS
T2 20dB	---	2483.500000	2447.1000	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 n-HT20 mode

References

TC start	28.05.2026 14:17:43
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 n-HT20 mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

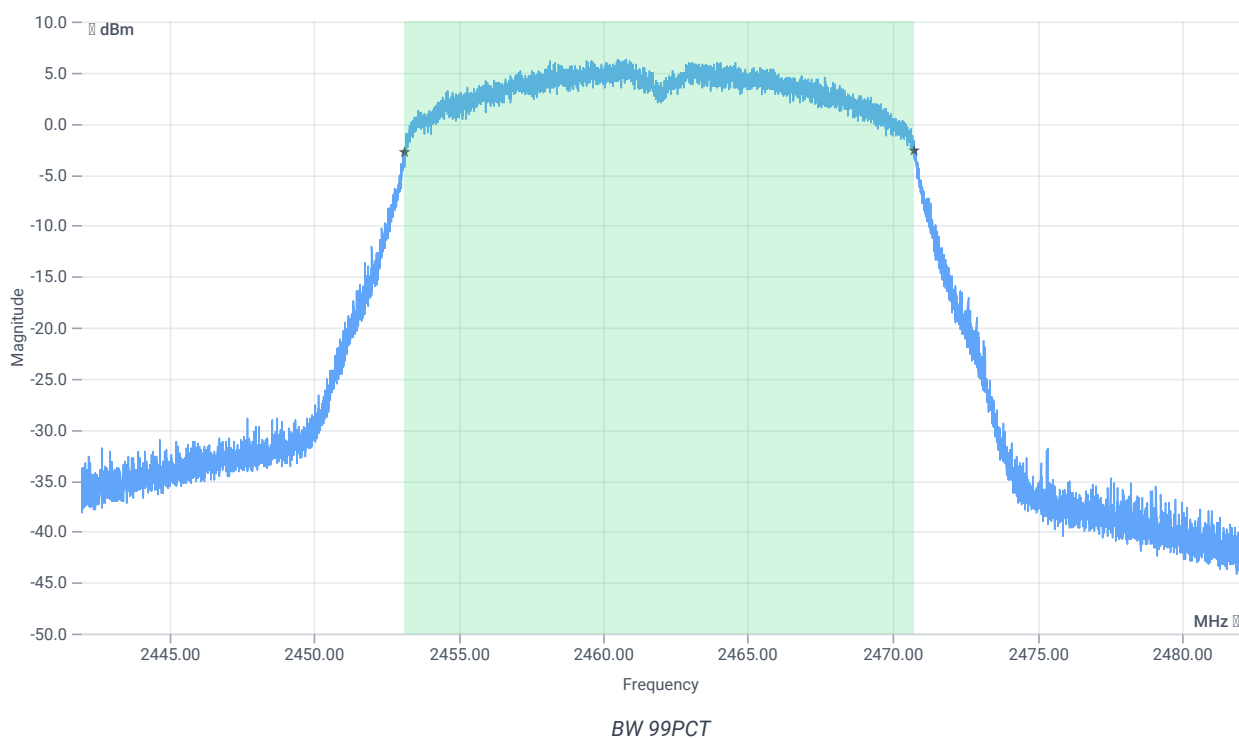
Test at TX 2462 MHz

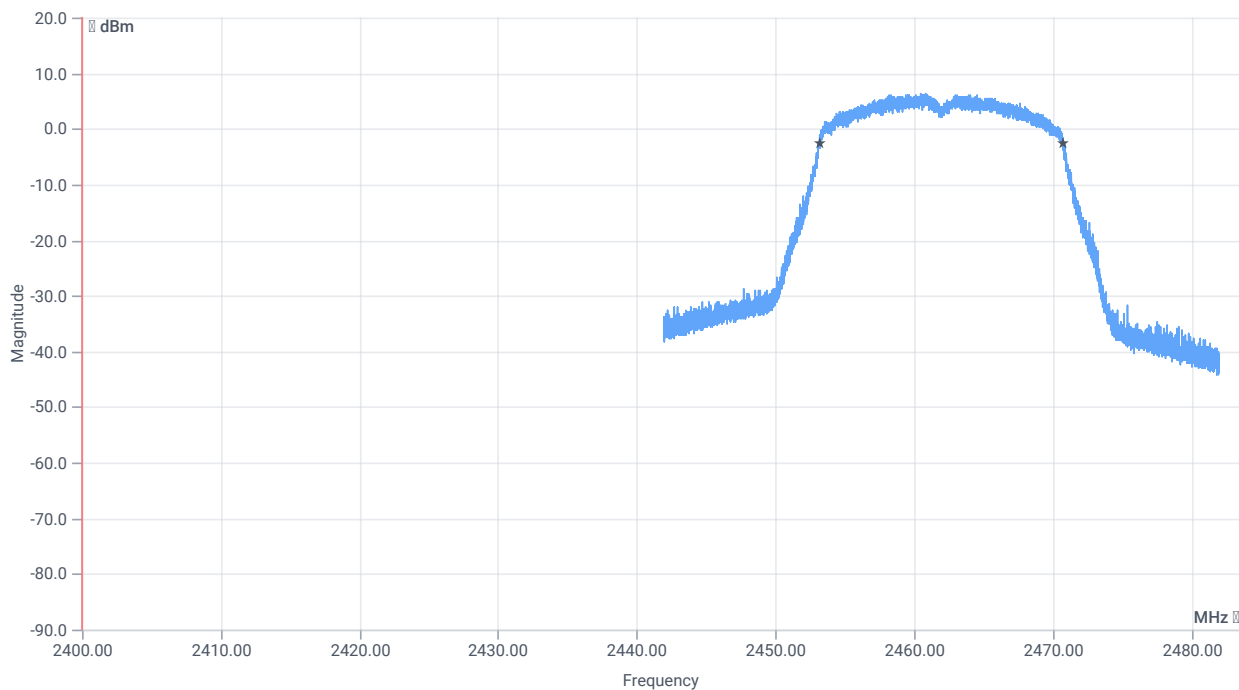
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.31	dBm	INFO
Ref. frequency	---	---	2459.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.31 3.12 30
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

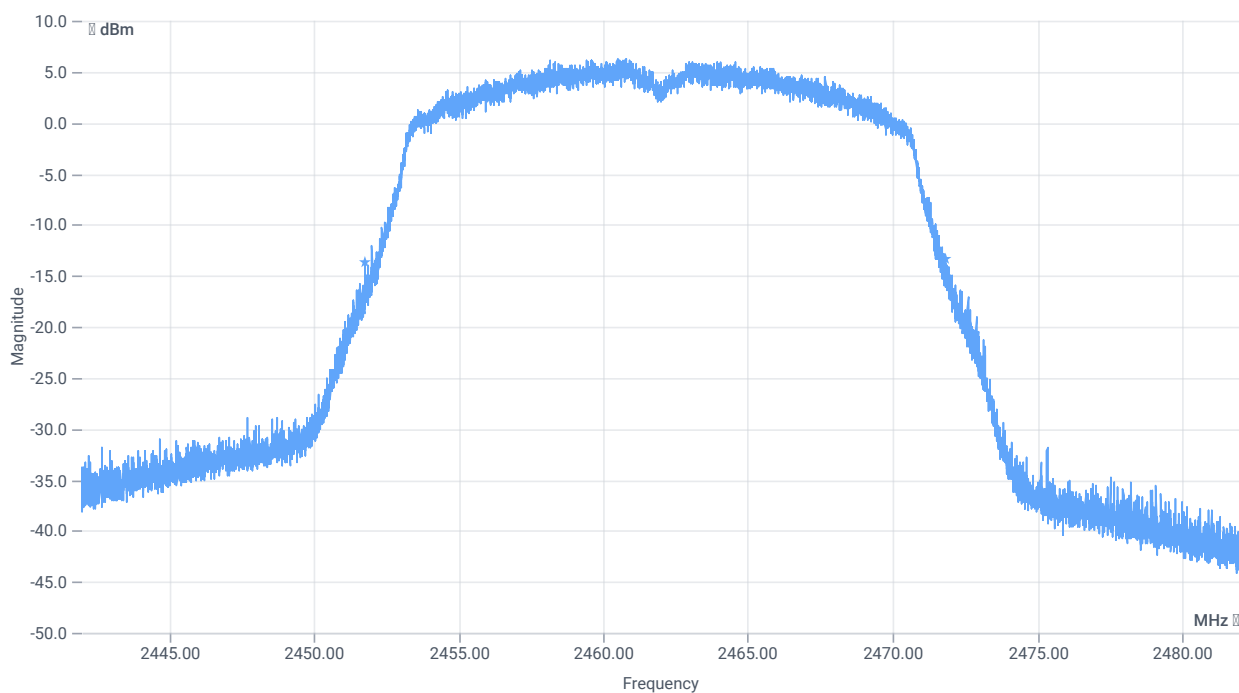




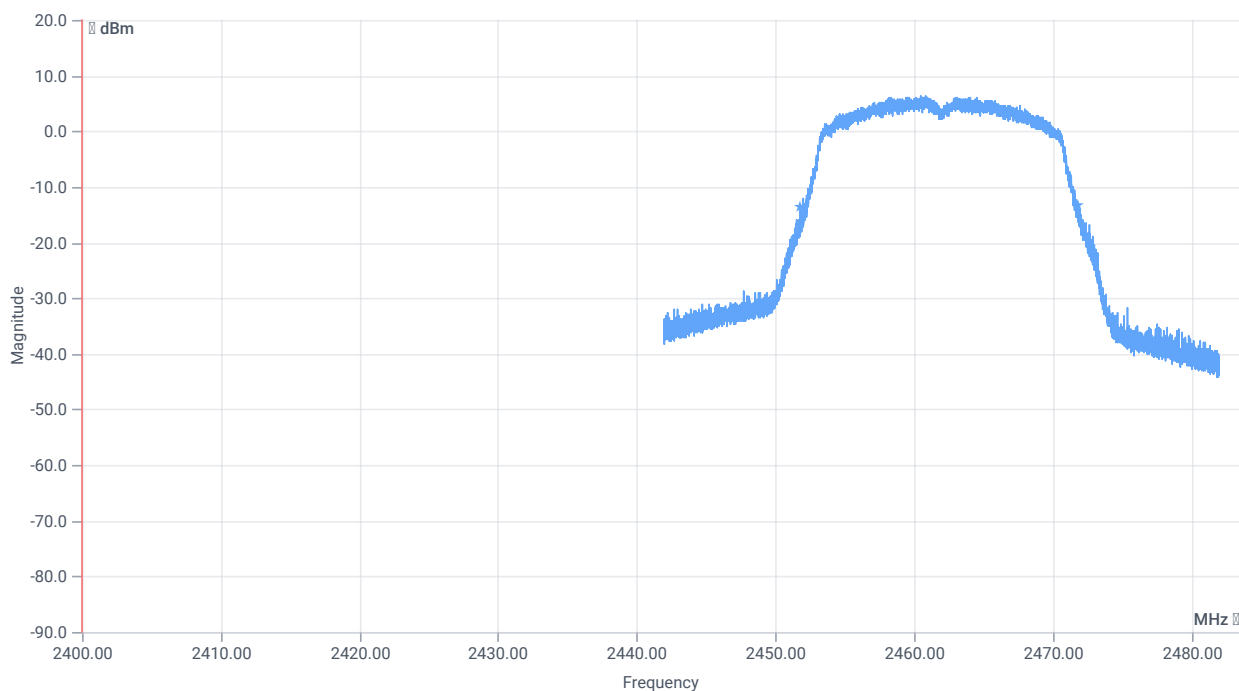
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	17566.000	kHz	INFO
T1 99%	2400.000000	---	2453.1689	MHz	PASS
T2 99%	---	2483.500000	2470.7351	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	20040	kHz	INFO
T1 20dB	2400.000000	---	2451.7840	MHz	PASS
T2 20dB	---	2483.500000	2471.8240	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 ax-HE20

References

TC start	28.05.2026 14:34:06
Ambit temp (test rack) [°C] humidity [rel%]	24.6 42
System version	6.0.7.4
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 ax-HE20
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

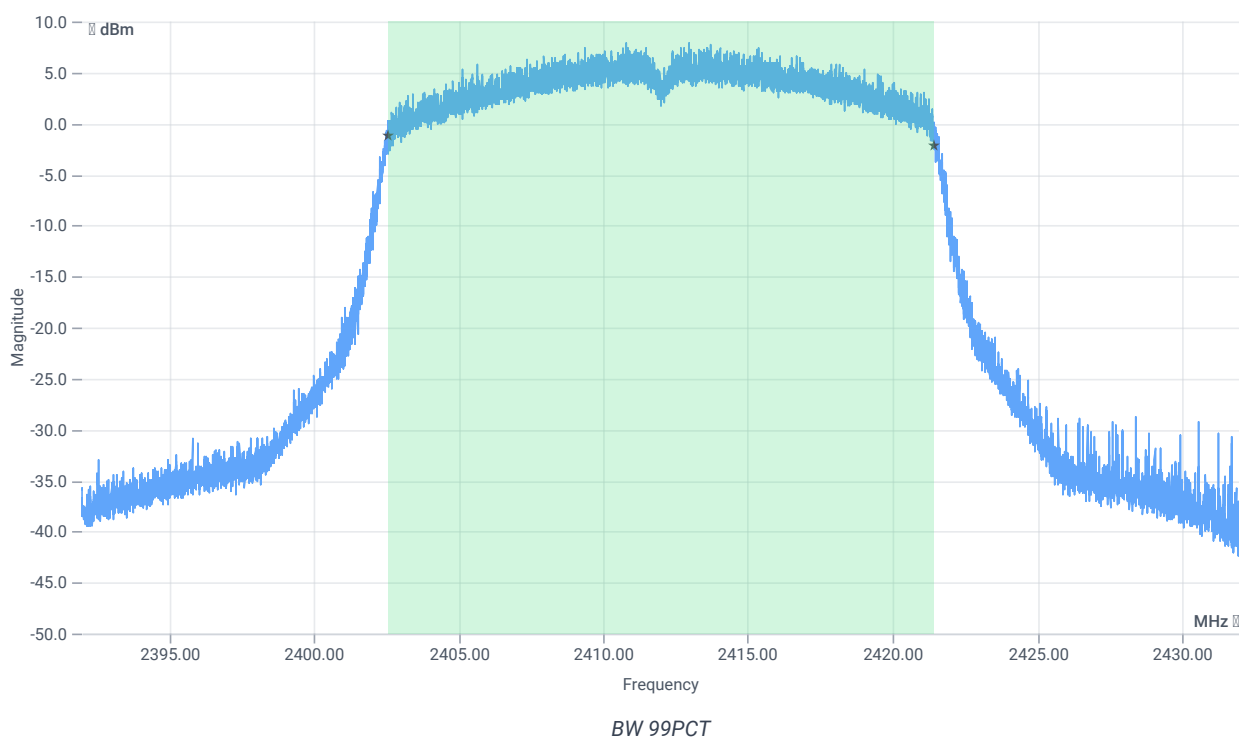
Test at TX 2412 MHz

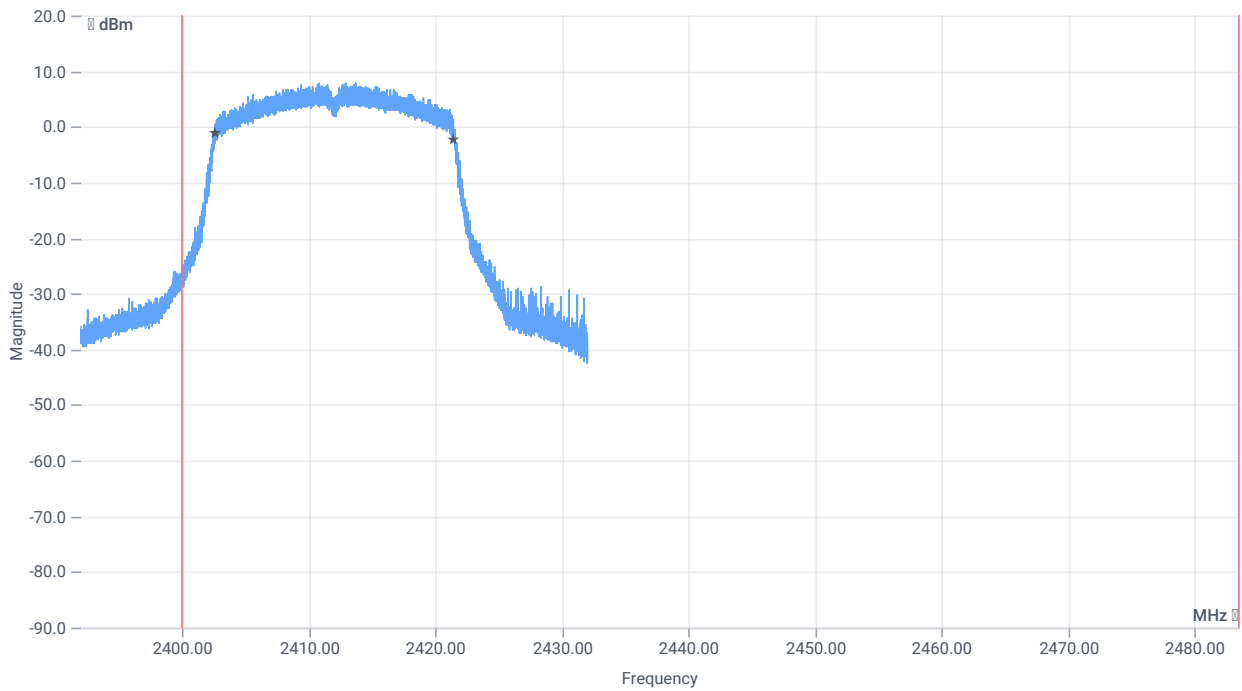
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.17	dBm	INFO
Ref. frequency	---	---	2408.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.17 3.13 30
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

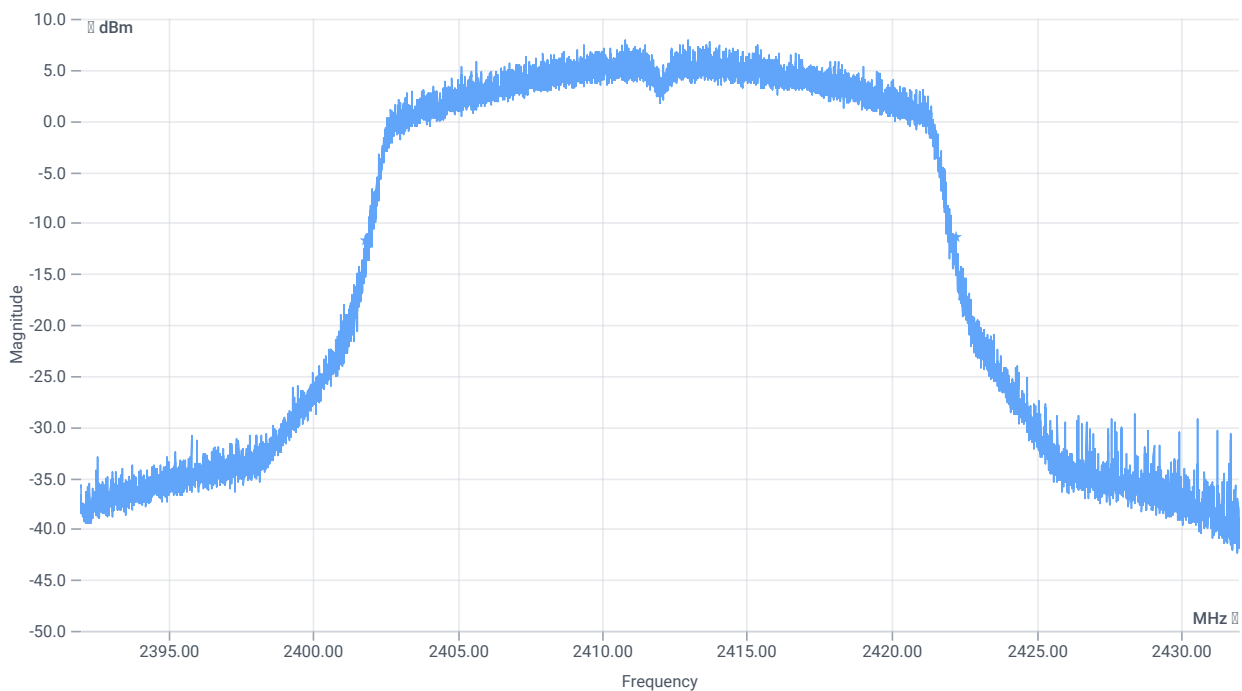




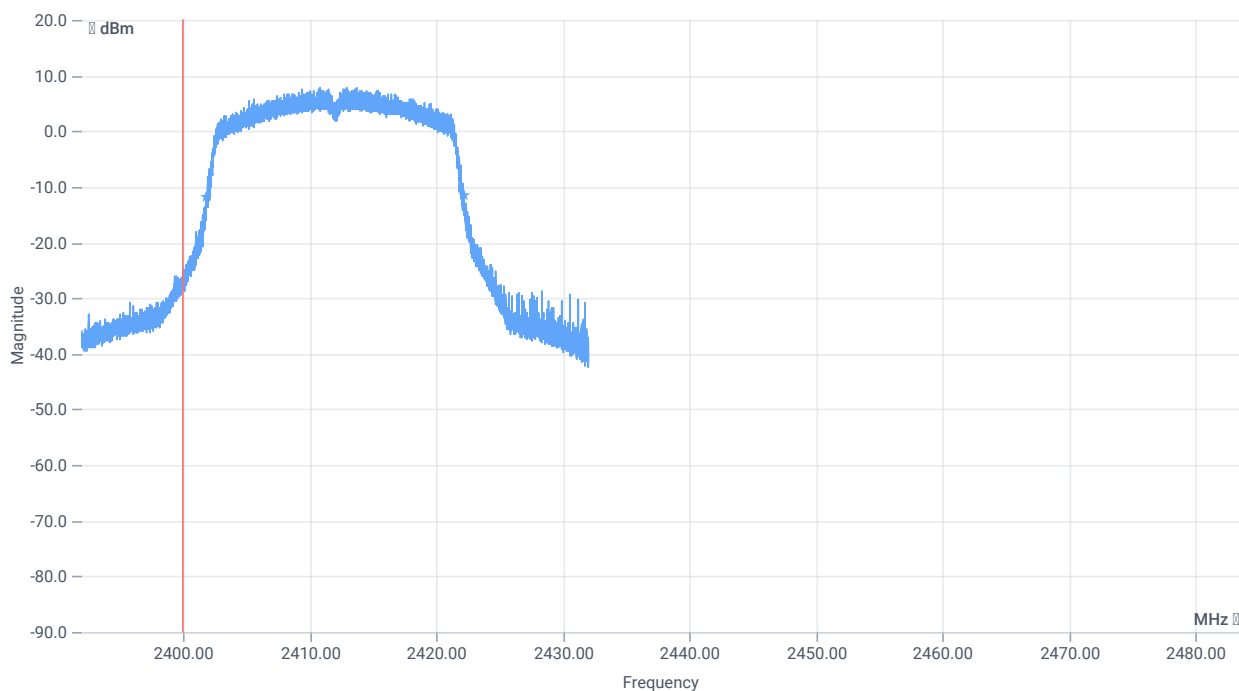
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18854.000	kHz	INFO
T1 99%	2400.000000	---	2402.5809	MHz	PASS
T2 99%	---	2483.500000	2421.4351	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	20420	kHz	INFO
T1 20dB	2400.000000	---	2401.8120	MHz	PASS
T2 20dB	---	2483.500000	2422.2320	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 ax-HE20

References

TC start	28.05.2026 14:54:54
Ambit temp (test rack) [°C] humidity [rel%]	24.8 42
System version	6.0.7.4
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 ax-HE20
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

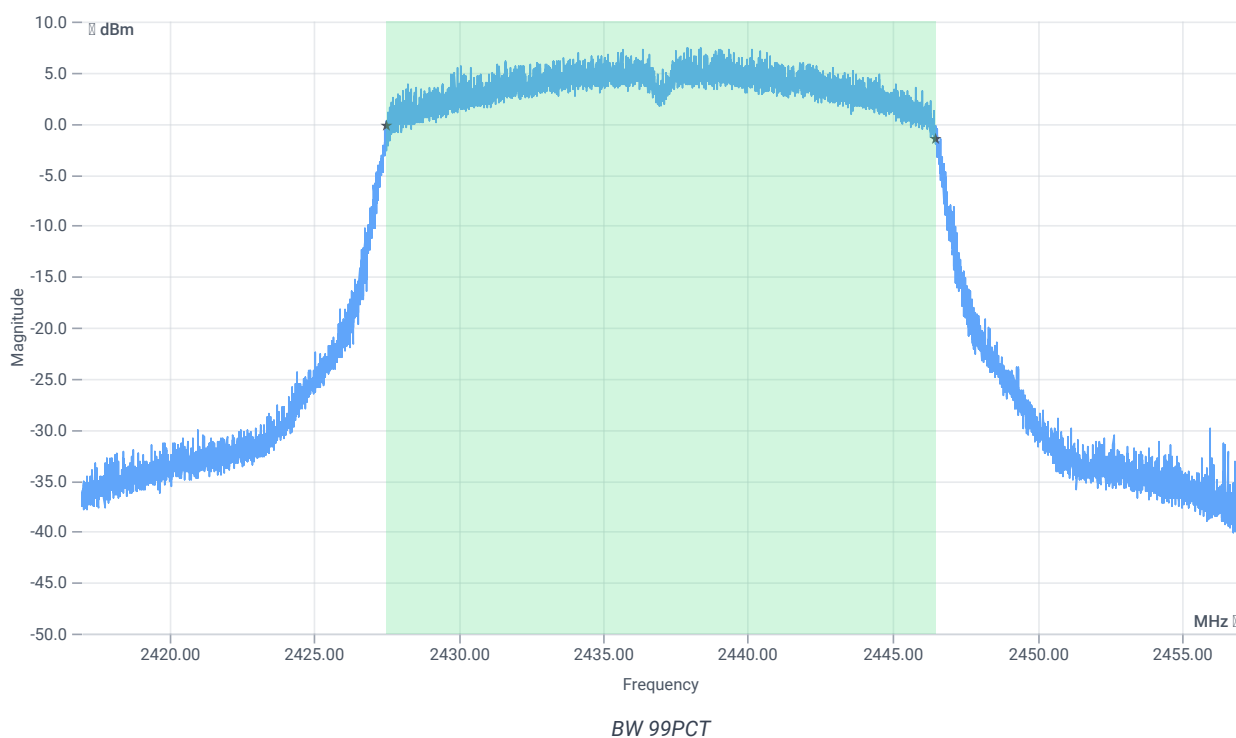
Test at TX 2437 MHz

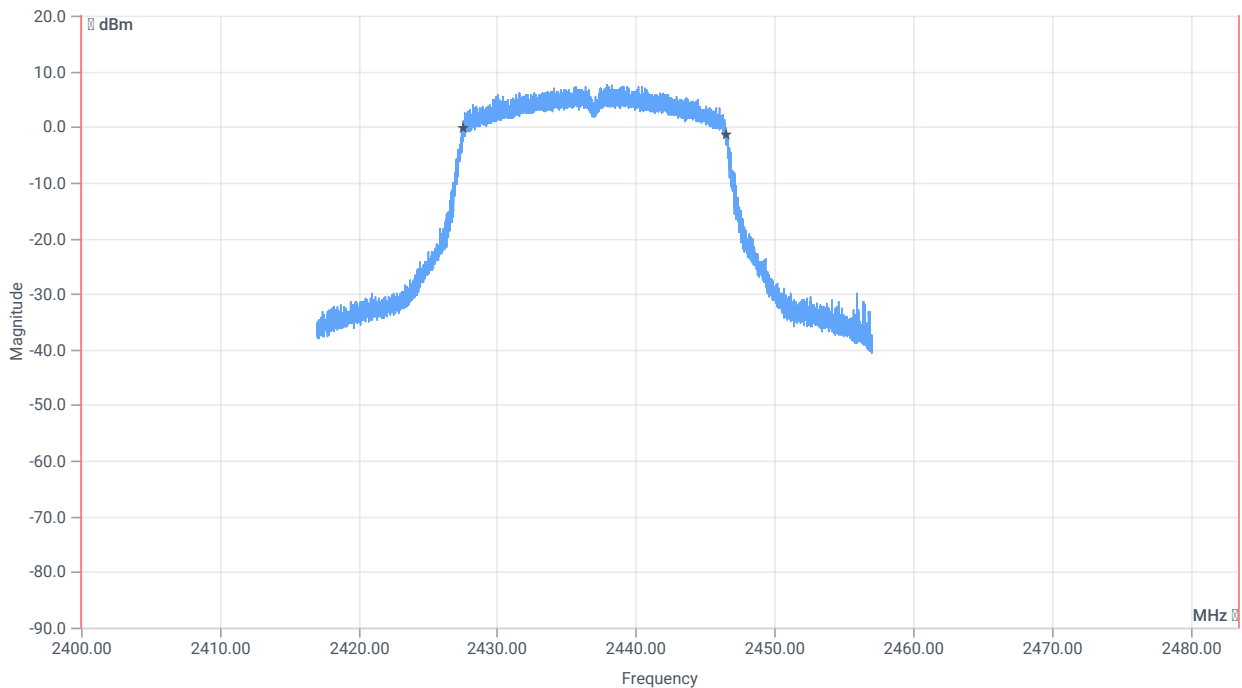
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.20	dBm	INFO
Ref. frequency	---	---	2440.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.20 3.15 30
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

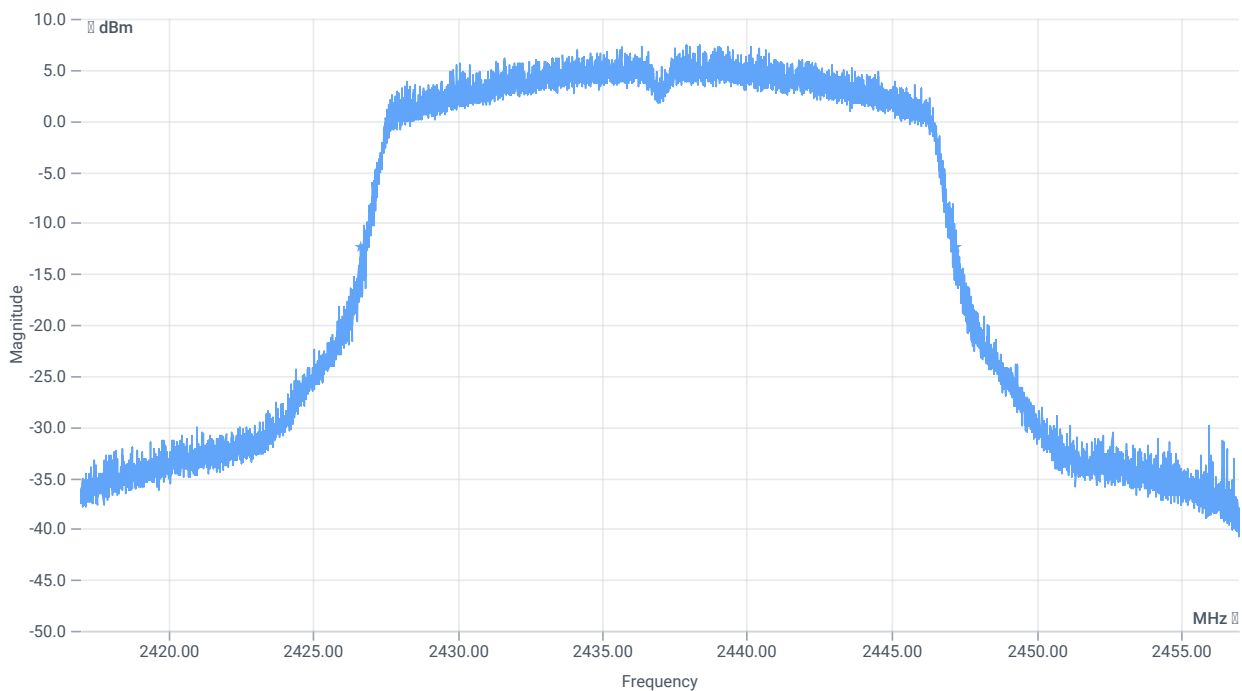




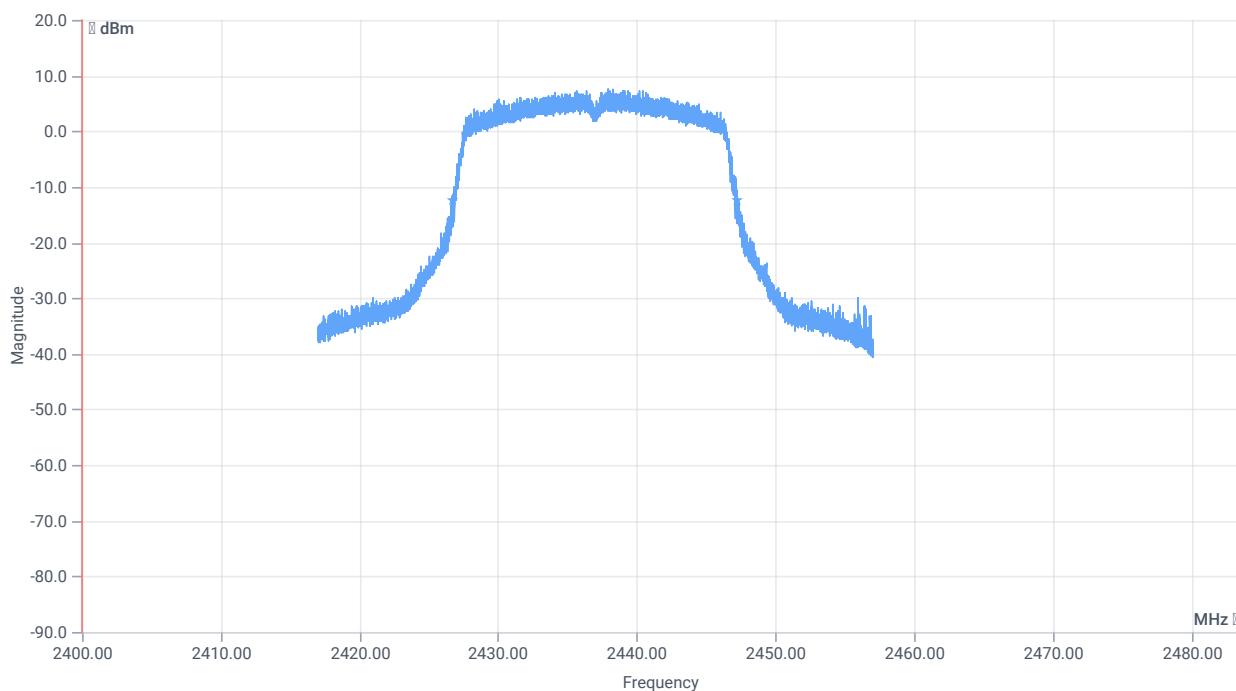
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18954.000	kHz	INFO
T1 99%	2400.000000	---	2427.5249	MHz	PASS
T2 99%	---	2483.500000	2446.4791	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	20576	kHz	INFO
T1 20dB	2400.000000	---	2426.6640	MHz	PASS
T2 20dB	---	2483.500000	2447.2400	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 ax-HE20

References

TC start	28.05.2026 15:19:55
Ambit temp (test rack) [°C] humidity [rel%]	24.6 42
System version	6.0.7.4
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 ax-HE20
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

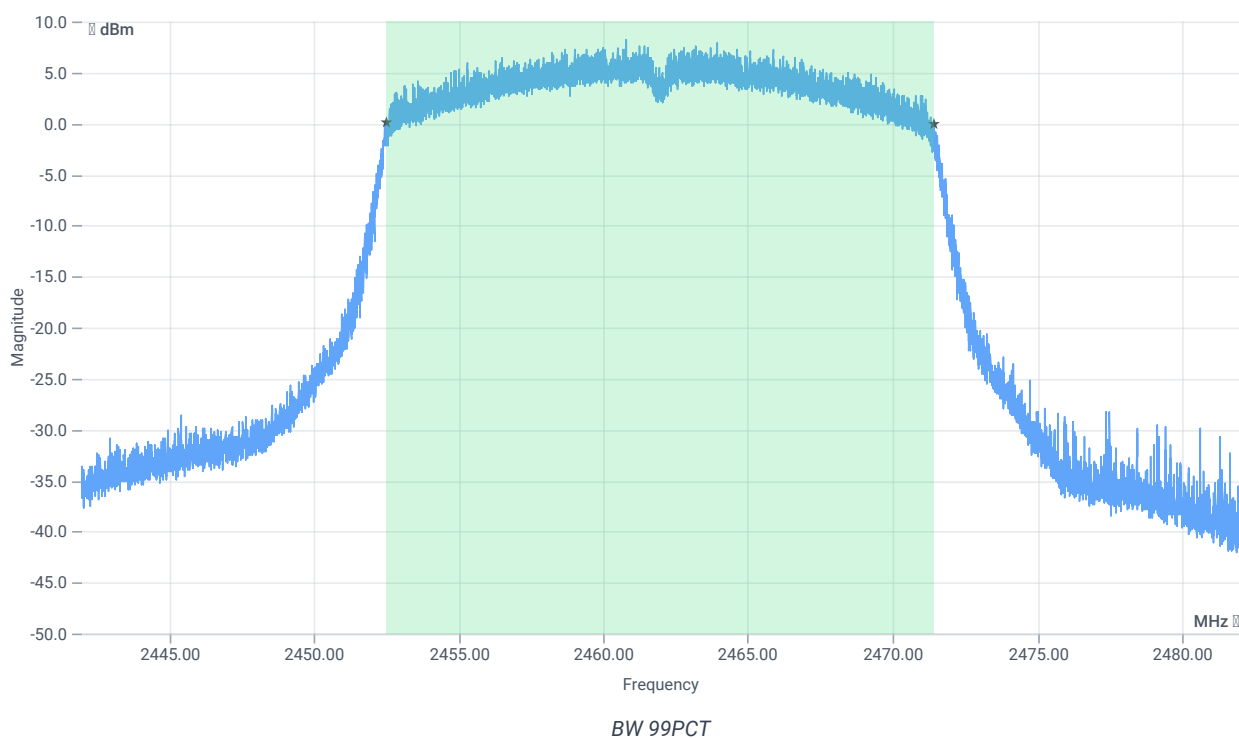
Test at TX 2462 MHz

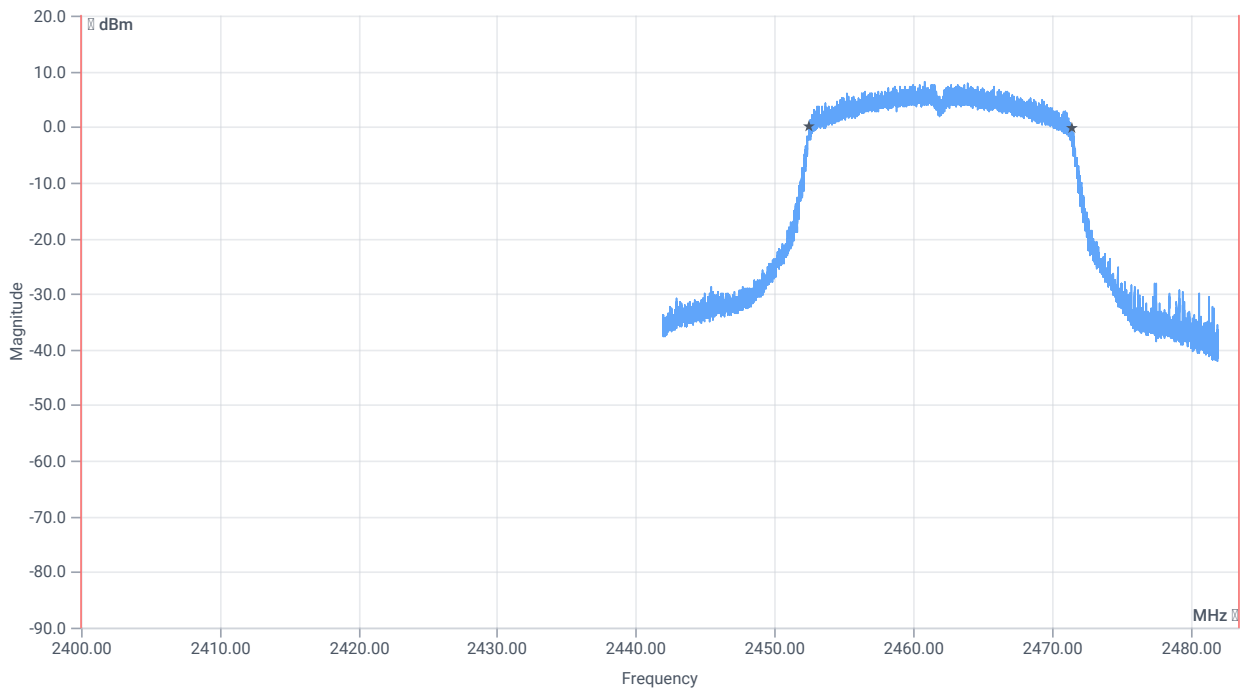
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.57	dBm	INFO
Ref. frequency	---	---	2463.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.57 3.12 30
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

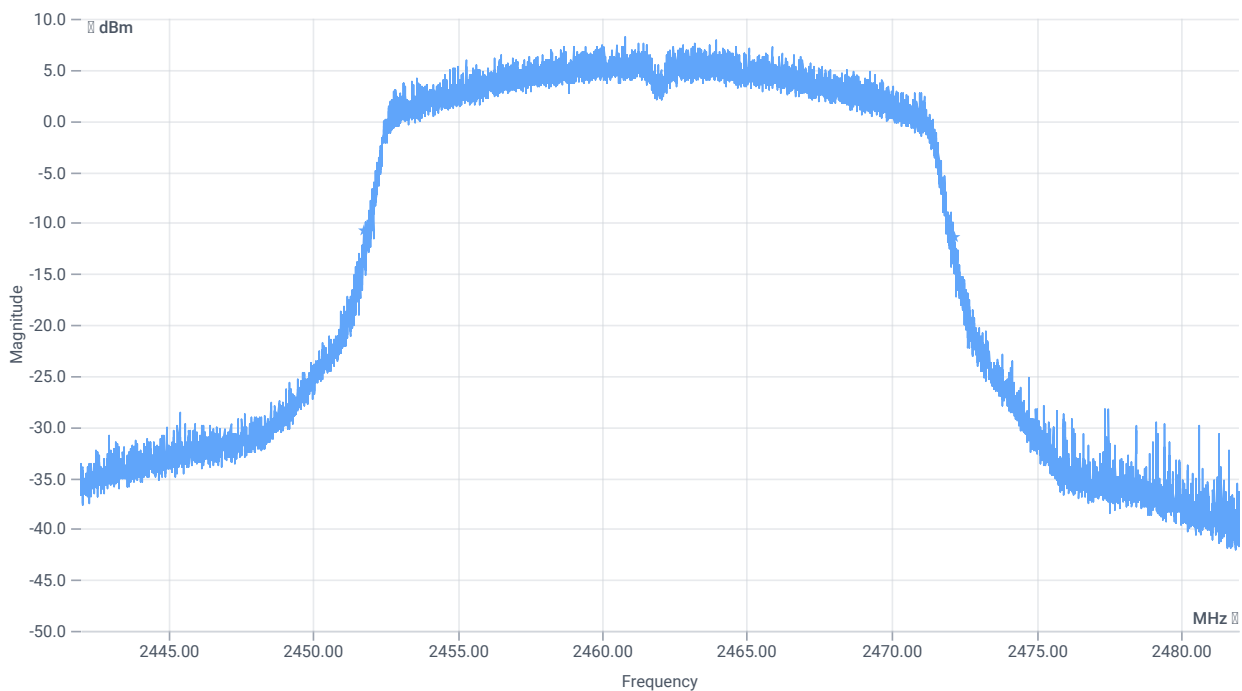




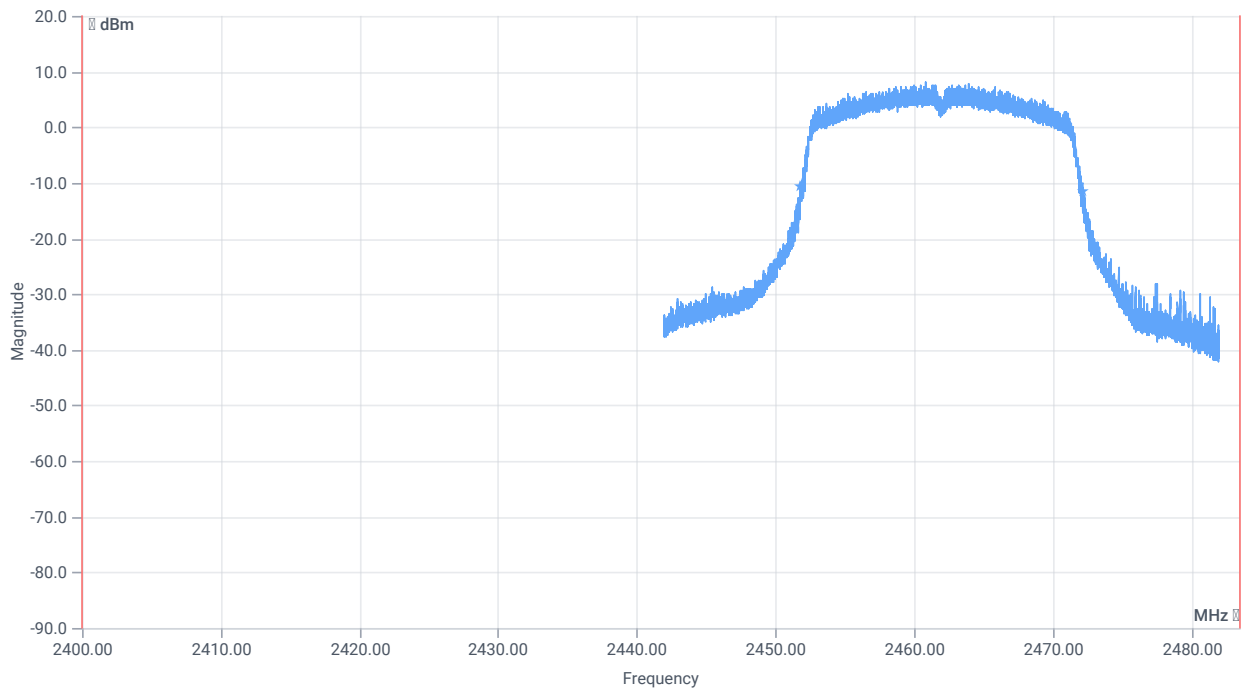
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18882.000	kHz	INFO
T1 99%	2400.000000	---	2452.5209	MHz	PASS
T2 99%	---	2483.500000	2471.4031	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	20440	kHz	INFO
T1 20dB	2400.000000	---	2451.7440	MHz	PASS
T2 20dB	---	2483.500000	2472.1840	MHz	PASS

Verdict

PASS

FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 b mode

References

TC start	28.05.2026 11:35:18
Ambit temp (test rack) [°C] humidity [rel%]	24.5 41
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0
Power sensor,Keysight Technologies,U2021XA,MY64330006,A.04.07

Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_PM_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.PM/
Switch bits	00000001:00000001:00000000:00000111

Test at TX 2412 MHz

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30	13.72	dBm	PASS

Verdict

PASS

FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 b mode

References

TC start	28.05.2026 12:33:07
Ambit temp (test rack) [°C] humidity [rel%]	24.4 41
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0
Power sensor,Keysight Technologies,U2021XA,MY64330006,A.04.07

Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_PM_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.PM/
Switch bits	00000001:00000001:00000000:00000111

Test at TX 2462 MHz

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30	13.46	dBm	PASS

Verdict

PASS

FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 g mode

References

TC start	28.05.2026 12:51:50
Ambit temp (test rack) [°C] humidity [rel%]	24.4 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0
Power sensor,Keysight Technologies,U2021XA,MY64330006,A.04.07

Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_PM_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.PM/
Switch bits	00000001:00000001:00000000:00000111

Test at TX 2412 MHz

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30	19.96	dBm	PASS

Verdict

PASS

FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 g mode

References

TC start	28.05.2026 13:09:13
Ambit temp (test rack) [°C] humidity [rel%]	24.4 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0
Power sensor,Keysight Technologies,U2021XA,MY64330006,A.04.07

Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_PM_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.PM/
Switch bits	00000001:00000001:00000000:00000111

Test at TX 2437 MHz

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30	21.74	dBm	PASS

Verdict

PASS

FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 g mode

References

TC start	28.05.2026 13:29:01
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0
Power sensor,Keysight Technologies,U2021XA,MY64330006,A.04.07

Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_PM_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.PM/
Switch bits	00000001:00000001:00000000:00000111

Test at TX 2462 MHz

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30	20.54	dBm	PASS

Verdict

PASS

FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 n-HT20 mode

References

TC start	28.05.2026 13:45:36
Ambit temp (test rack) [°C] humidity [rel%]	24.4 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 n-HT20 mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0
Power sensor,Keysight Technologies,U2021XA,MY64330006,A.04.07

Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_PM_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.PM/
Switch bits	00000001:00000001:00000000:00000111

Test at TX 2412 MHz

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30	19.83	dBm	PASS

Verdict

PASS

FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 n-HT20 mode

References

TC start	28.05.2026 14:04:38
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 n-HT20 mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0
Power sensor,Keysight Technologies,U2021XA,MY64330006,A.04.07

Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_PM_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.PM/
Switch bits	00000001:00000001:00000000:00000111

Test at TX 2437 MHz

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30	21.47	dBm	PASS

Verdict

PASS

FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 n-HT20 mode

References

TC start	28.05.2026 14:31:13
Ambit temp (test rack) [°C] humidity [rel%]	24.6 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 n-HT20 mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0
Power sensor,Keysight Technologies,U2021XA,MY64330006,A.04.07

Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_PM_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.PM/
Switch bits	00000001:00000001:00000000:00000111

Test at TX 2462 MHz

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30	20.32	dBm	PASS

Verdict

PASS

FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 ax-HE20

References

TC start	28.05.2026 14:47:36
Ambit temp (test rack) [°C] humidity [rel%]	24.7 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 ax-HE20
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0
Power sensor,Keysight Technologies,U2021XA,MY64330006,A.04.07

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_PM_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.PM/
Switch bits	00000001:00000001:00000000:00000111

Test at TX 2412 MHz

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30	21.36	dBm	PASS

Verdict

PASS

FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 ax-HE20

References

TC start	28.05.2026 15:08:25
Ambit temp (test rack) [°C] humidity [rel%]	24.6 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 ax-HE20
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0
Power sensor,Keysight Technologies,U2021XA,MY64330006,A.04.07

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_PM_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.PM/
Switch bits	00000001:00000001:00000000:00000111

Test at TX 2437 MHz

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30	23.11	dBm	PASS

Verdict

PASS

FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 ax-HE20

References

TC start	28.05.2026 15:33:25
Ambit temp (test rack) [°C] humidity [rel%]	24.7 43
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 ax-HE20
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0
Power sensor,Keysight Technologies,U2021XA,MY64330006,A.04.07

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_PM_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.PM/
Switch bits	00000001:00000001:00000000:00000111

Test at TX 2462 MHz

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30	22.29	dBm	PASS

Verdict

PASS

FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 b mode

References

TC start	28.05.2026 11:51:36
Ambit temp (test rack) [°C] humidity [rel%]	24.5 41
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0
Power sensor,Keysight Technologies,U2021XA,MY64330006,A.04.07

Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_PM_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.PM/
Switch bits	00000001:00000001:00000000:00000111

Test at TX 2437 MHz

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30	13.08	dBm	PASS

Verdict

PASS

FCC 15.247 # Peak psd DTS ~ WLAN2G4 b mode

References

TC start	28.05.2026 11:20:31
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

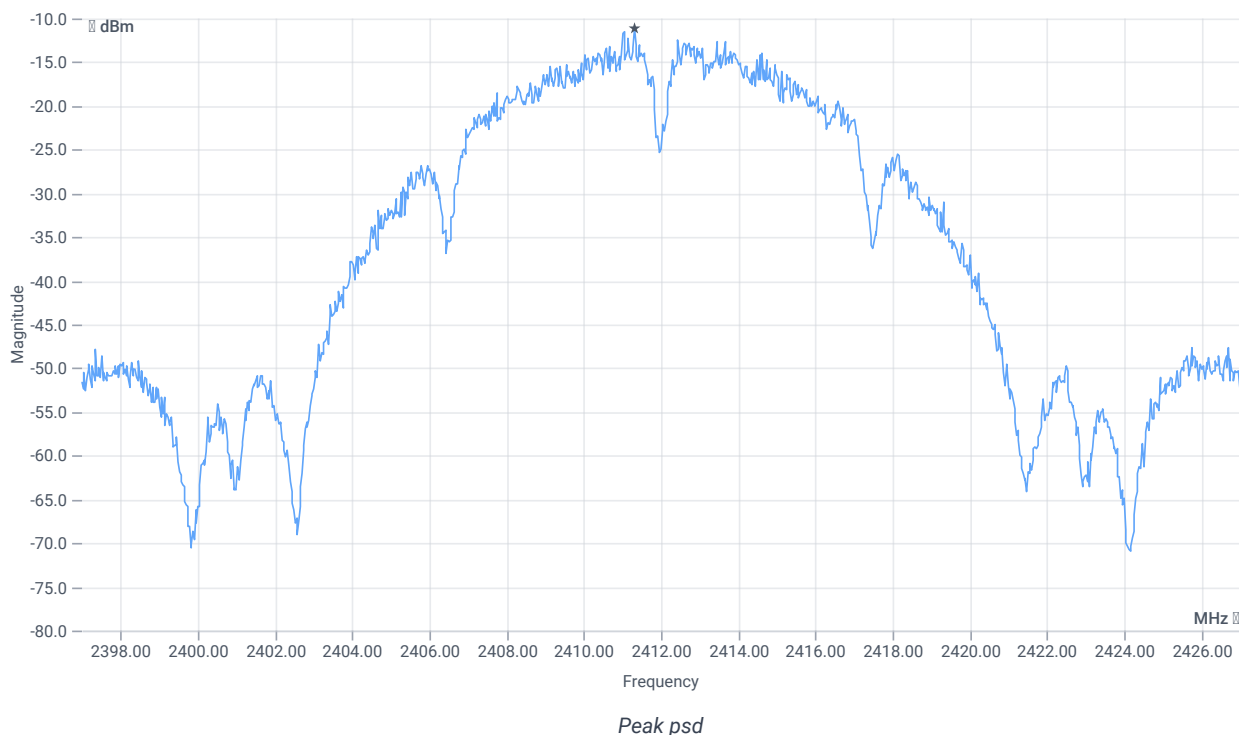
Test at TX 2412 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.83	dBm	INFO
Ref. frequency	---	---	2413.100	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.83 3.13 25
Start [MHz] Stop [MHz]	2397.000 2427.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-11.15	dBm/3KHz	PASS

Verdict

PASS

FCC 15.247 # Peak psd DTS ~ WLAN2G4 b mode

References

TC start	28.05.2026 11:36:46
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

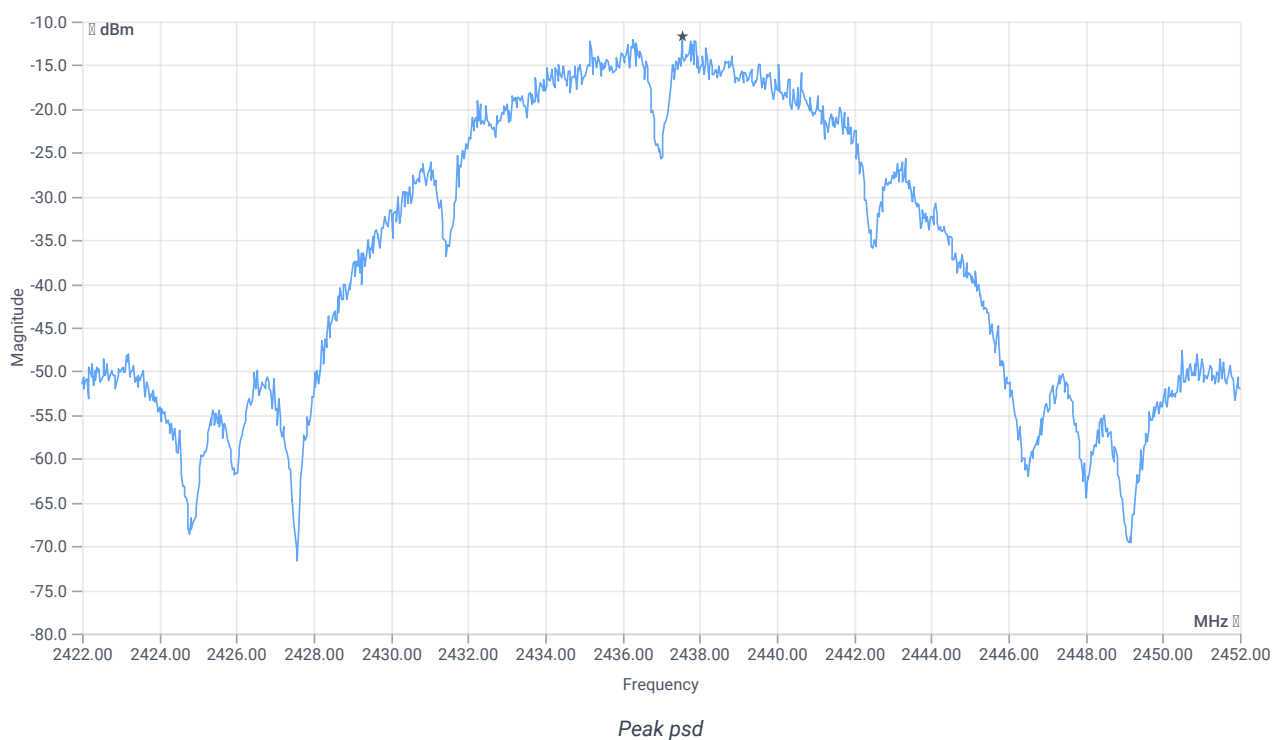
Test at TX 2437 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.44	dBm	INFO
Ref. frequency	---	---	2438.100	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.44 3.15 25
Start [MHz] Stop [MHz]	2422.000 2452.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-11.73	dBm/3KHz	PASS

Verdict

PASS

FCC 15.247 # Peak psd DTS ~ WLAN2G4 b mode

References

TC start	28.05.2026 12:18:14
Ambit temp (test rack) [°C] humidity [rel%]	24.5 41
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

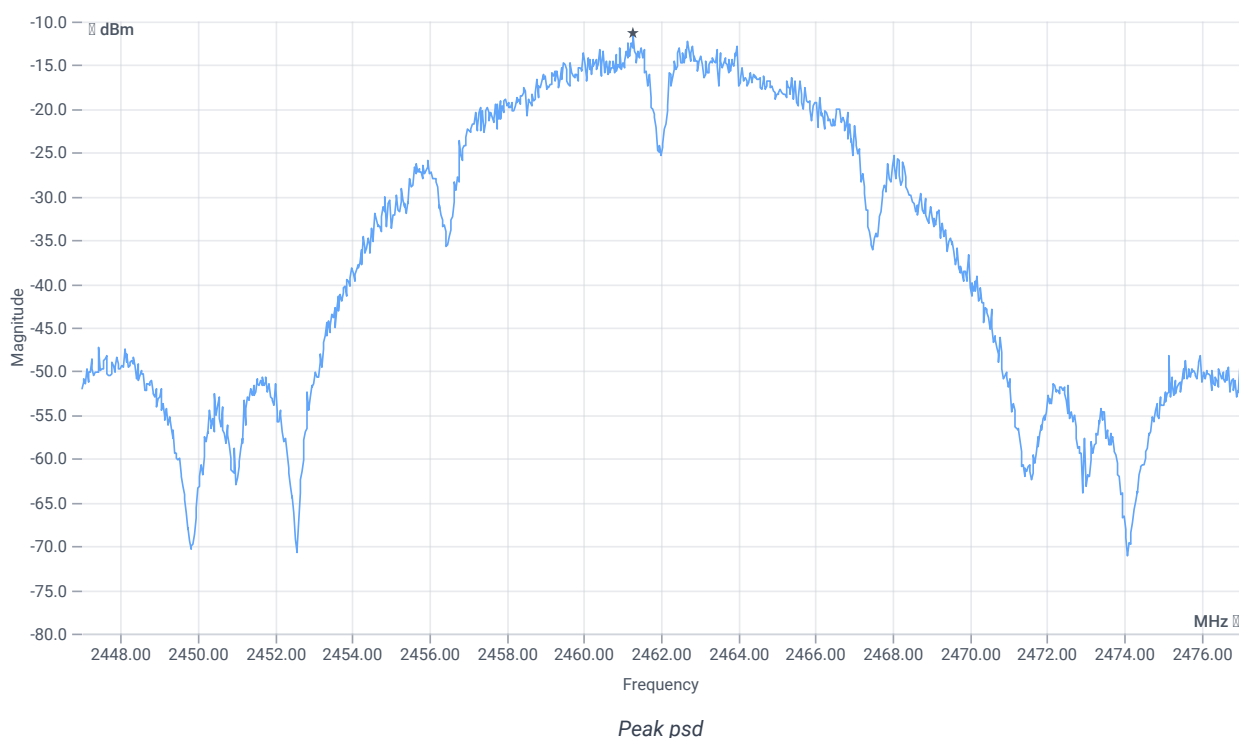
Test at TX 2462 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.78	dBm	INFO
Ref. frequency	---	---	2460.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.78 3.12 25
Start [MHz] Stop [MHz]	2447.000 2477.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-11.27	dBm/3KHz	PASS

Verdict

PASS

FCC 15.247 # Peak psd DTS ~ WLAN2G4 g mode

References

TC start	28.05.2026 12:36:56
Ambit temp (test rack) [°C] humidity [rel%]	24.5 41
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

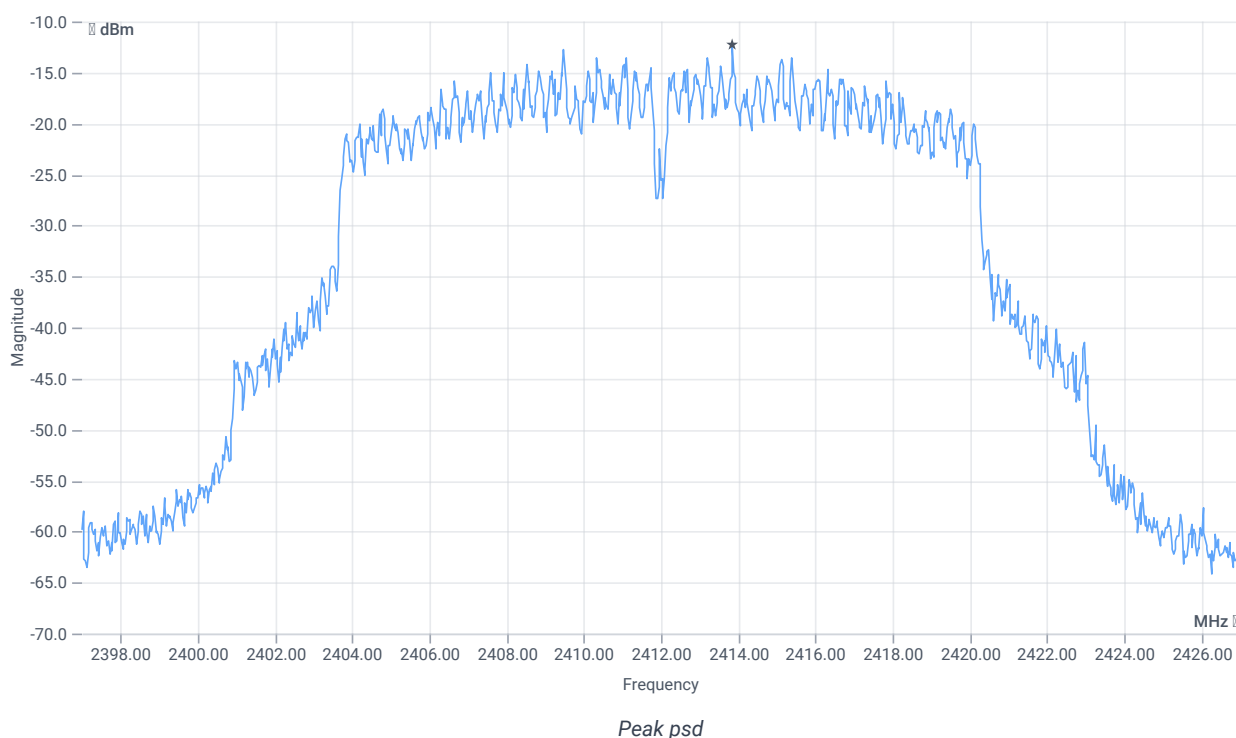
Test at TX 2412 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.39	dBm	INFO
Ref. frequency	---	---	2410.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.39 3.13 30
Start [MHz] Stop [MHz]	2397.000 2427.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-12.26	dBm/3KHz	PASS

Verdict

PASS

FCC 15.247 # Peak psd DTS ~ WLAN2G4 g mode

References

TC start	28.05.2026 12:54:19
Ambit temp (test rack) [°C] humidity [rel%]	24.4 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

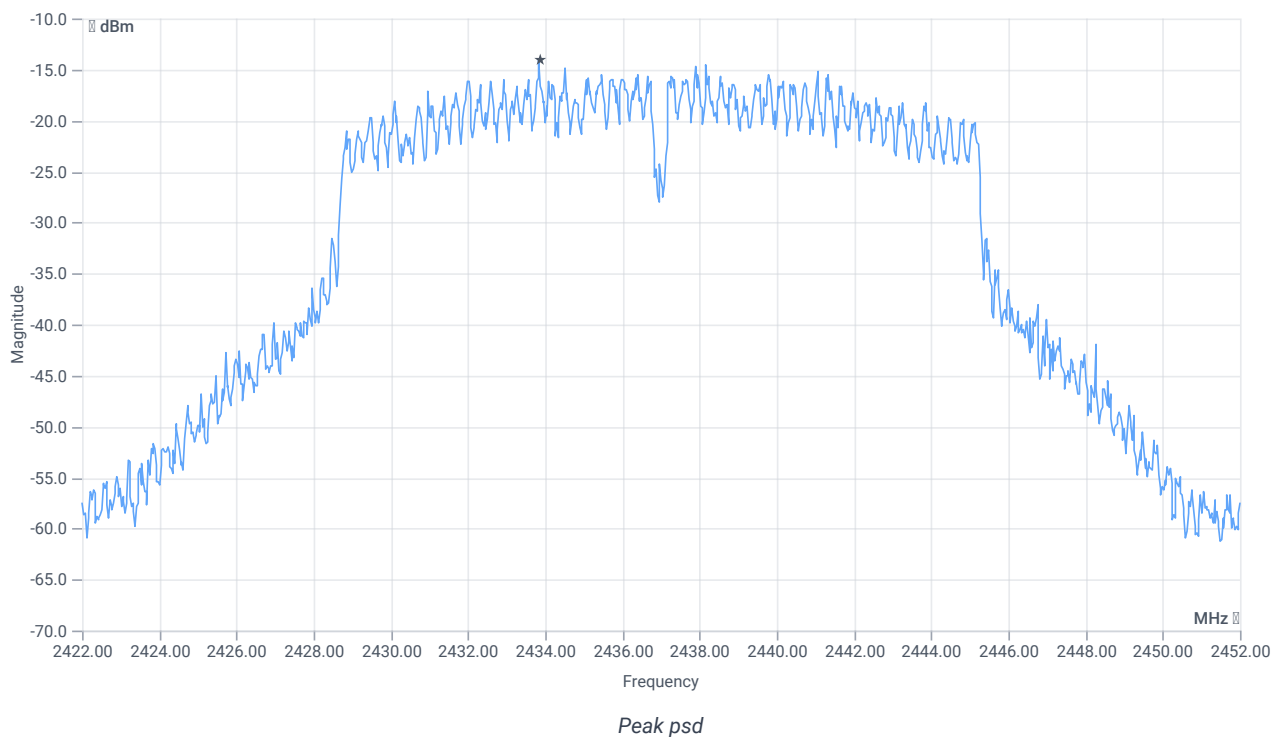
Test at TX 2437 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.68	dBm	INFO
Ref. frequency	---	---	2438.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.68 3.15 25
Start [MHz] Stop [MHz]	2422.000 2452.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-14.12	dBm/3KHz	PASS

Verdict

PASS

FCC 15.247 # Peak psd DTS ~ WLAN2G4 g mode

References

TC start	28.05.2026 13:14:08
Ambit temp (test rack) [°C] humidity [rel%]	24.4 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

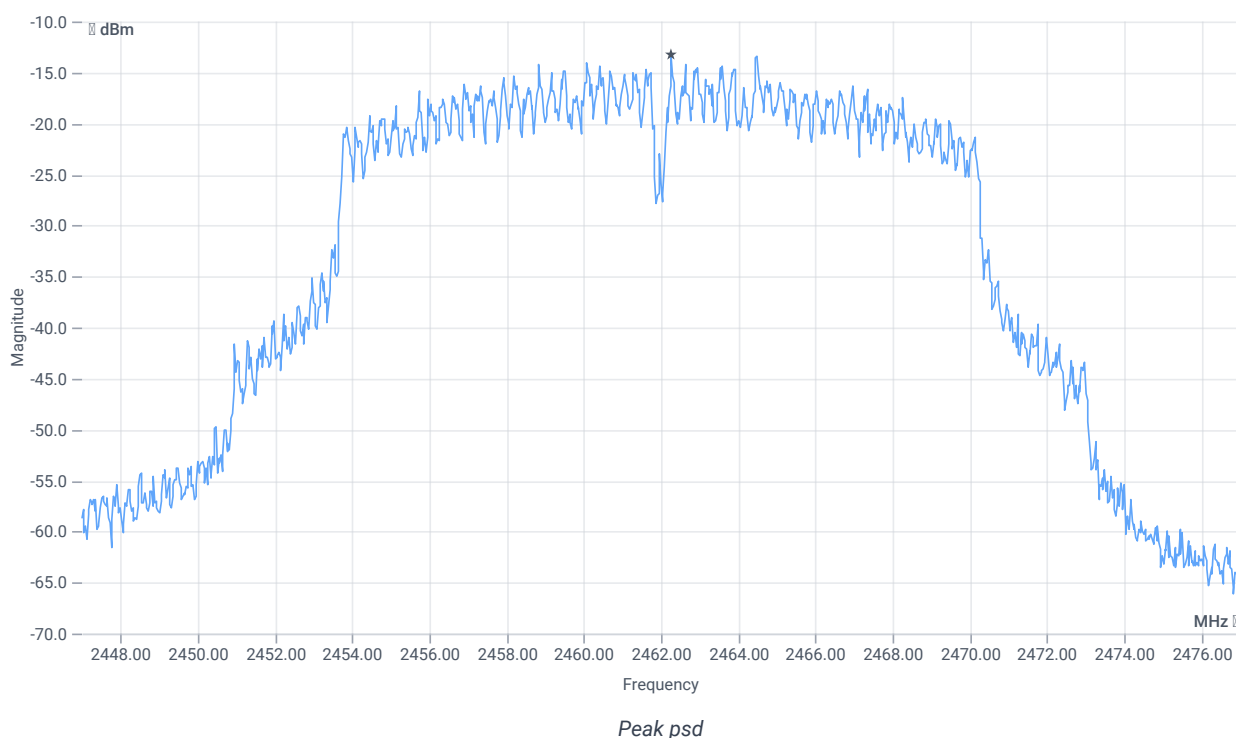
Test at TX 2462 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.48	dBm	INFO
Ref. frequency	---	---	2460.500	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.48 3.12 30
Start [MHz] Stop [MHz]	2447.000 2477.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-13.3	dBm/3KHz	PASS

Verdict

PASS

FCC 15.247 # Peak psd DTS ~ WLAN2G4 n-HT20 mode

References

TC start	28.05.2026 13:31:24
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 nHT20_mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

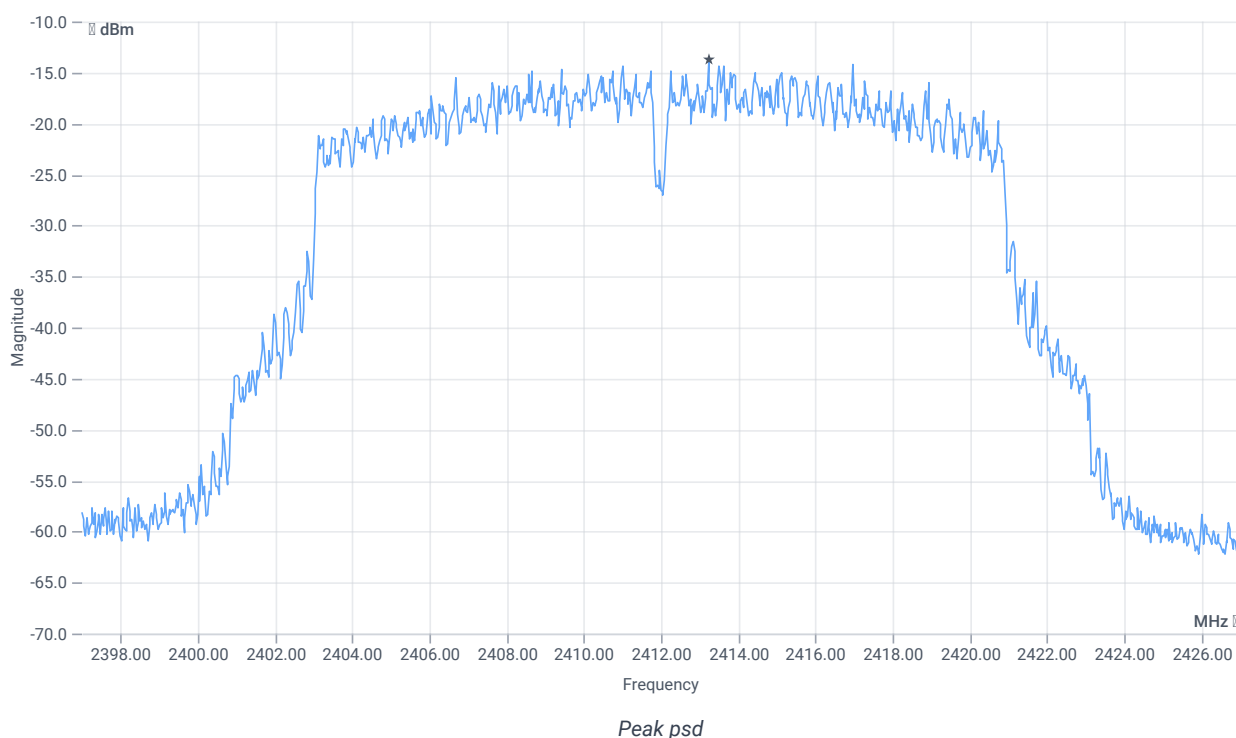
Test at TX 2412 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.33	dBm	INFO
Ref. frequency	---	---	2410.900	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.33 3.13 30
Start [MHz] Stop [MHz]	2397.000 2427.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-13.72	dBm/3KHz	PASS

Verdict

PASS

FCC 15.247 # Peak psd DTS ~ WLAN2G4 n-HT20 mode

References

TC start	28.05.2026 13:50:26
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 nHT20_mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

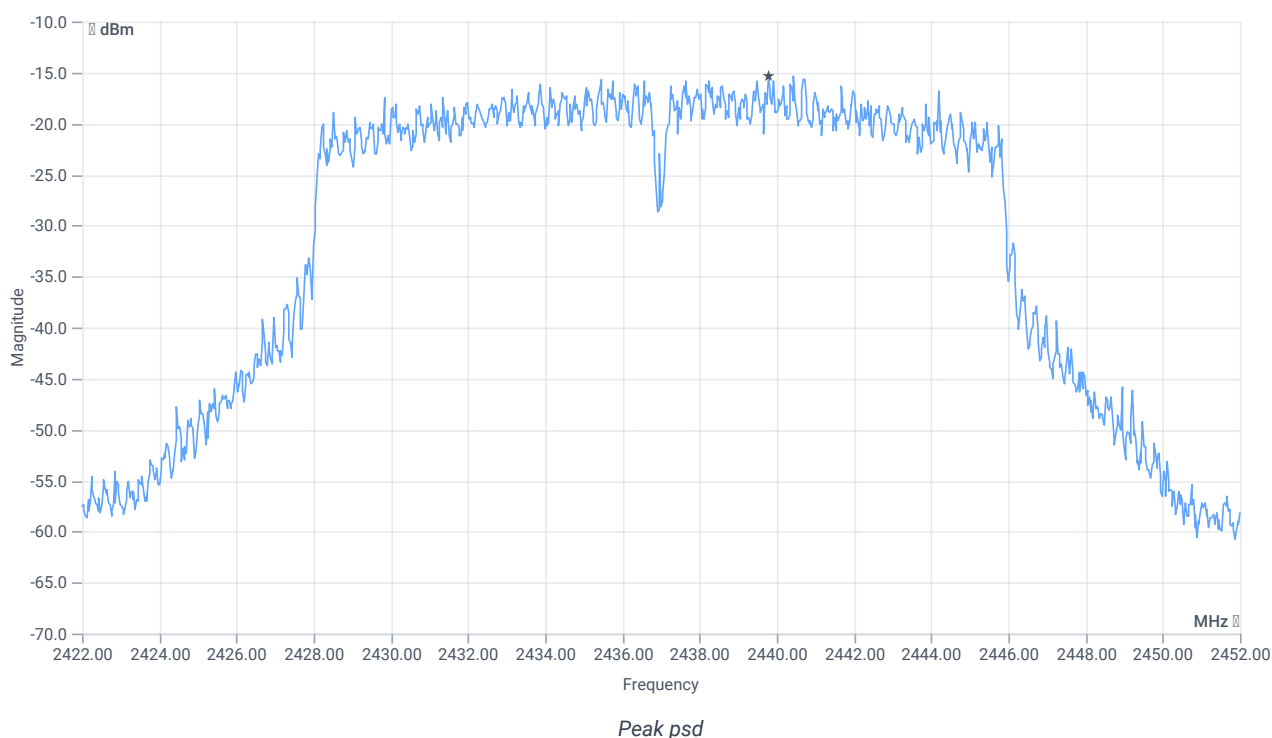
Test at TX 2437 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.09	dBm	INFO
Ref. frequency	---	---	2438.100	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.09 3.15 25
Start [MHz] Stop [MHz]	2422.000 2452.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-15.43	dBm/3KHz	PASS

Verdict

PASS

FCC 15.247 # Peak psd DTS ~ WLAN2G4 n-HT20 mode

References

TC start	28.05.2026 14:17:02
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 nHT20_mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

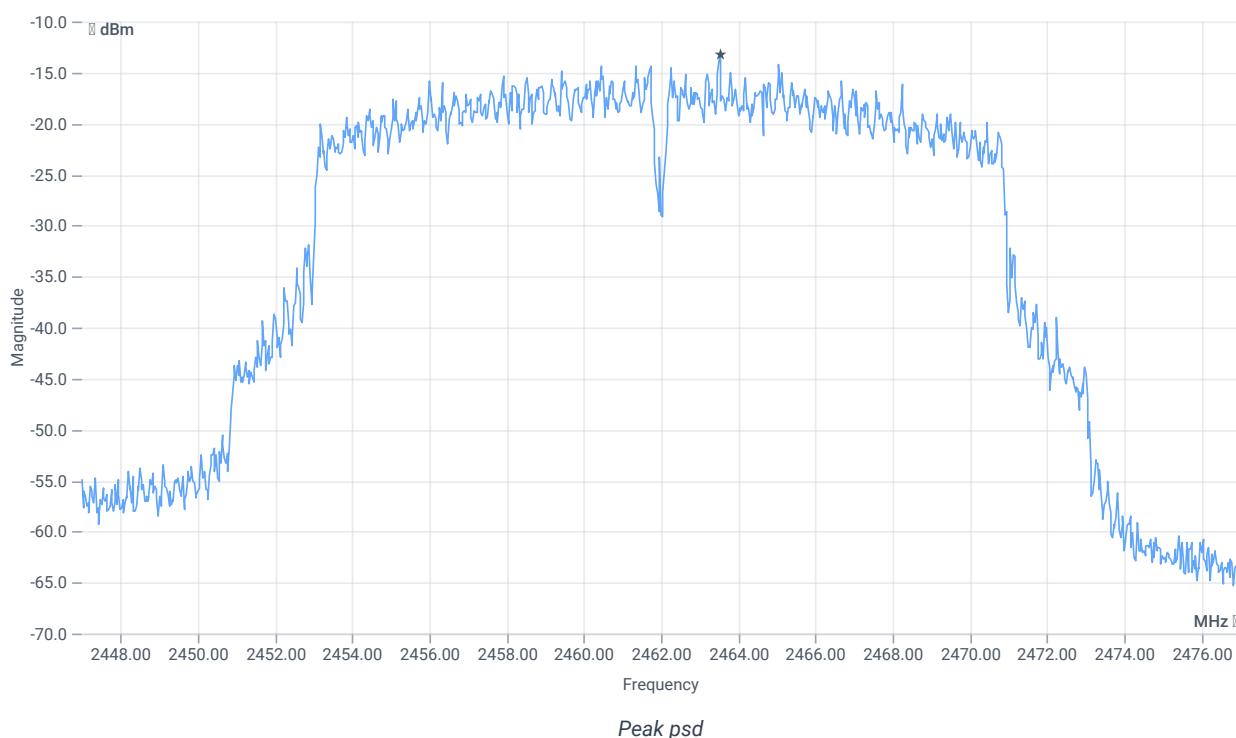
Test at TX 2462 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.95	dBm	INFO
Ref. frequency	---	---	2465.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.95 3.12 25
Start [MHz] Stop [MHz]	2447.000 2477.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-13.26	dBm/3KHz	PASS

Verdict

PASS

FCC 15.247 # Peak psd DTS ~ WLAN2G4 ax-HE20

References

TC start	28.05.2026 14:33:25
Ambit temp (test rack) [°C] humidity [rel%]	24.7 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 ax-HE20
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

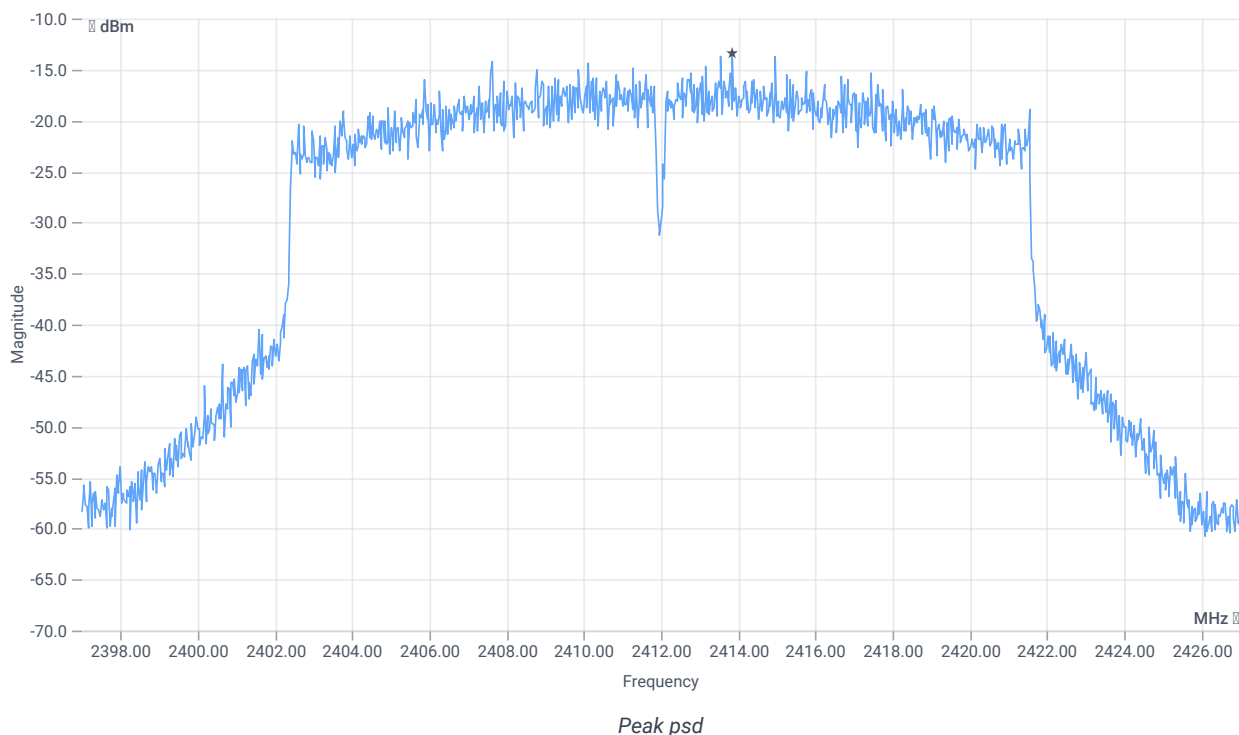
Test at TX 2412 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.68	dBm	INFO
Ref. frequency	---	---	2413.300	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.68 3.13 30
Start [MHz] Stop [MHz]	2397.000 2427.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-13.45	dBm/3KHz	PASS

Verdict

PASS

FCC 15.247 # Peak psd DTS ~ WLAN2G4 ax-HE20

References

TC start	28.05.2026 14:54:13
Ambit temp (test rack) [°C] humidity [rel%]	24.8 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 ax-HE20
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

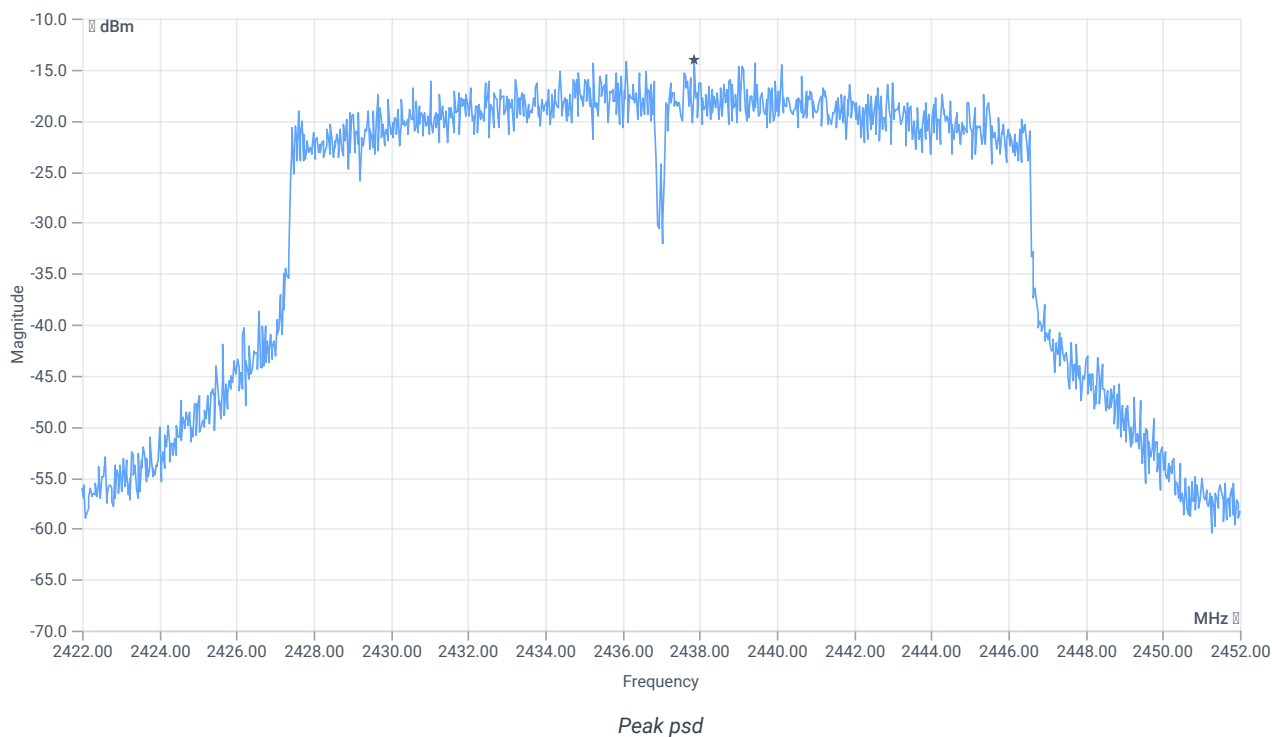
Test at TX 2437 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.58	dBm	INFO
Ref. frequency	---	---	2439.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.58 3.15 30
Start [MHz] Stop [MHz]	2422.000 2452.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-14.13	dBm/3KHz	PASS

Verdict

PASS

FCC 15.247 # Peak psd DTS ~ WLAN2G4 ax-HE20

References

TC start	28.05.2026 15:19:13
Ambit temp (test rack) [°C] humidity [rel%]	24.6 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 ax-HE20
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

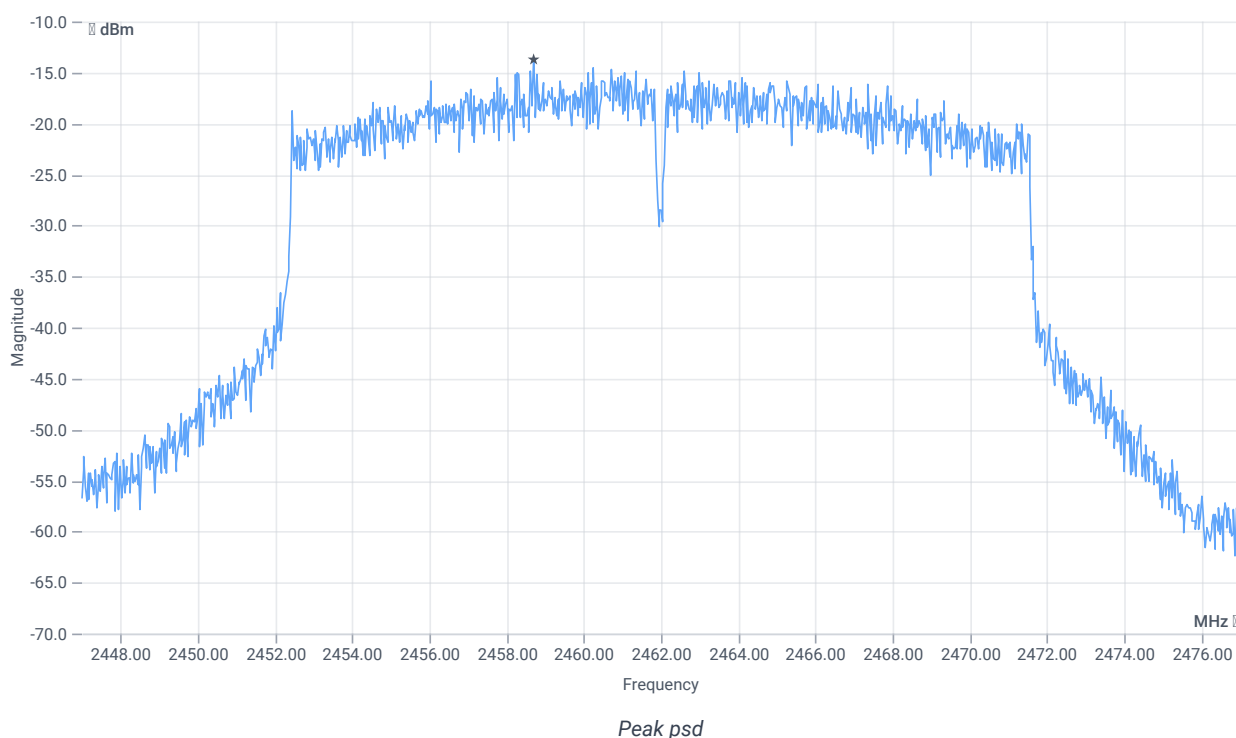
Test at TX 2462 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.56	dBm	INFO
Ref. frequency	---	---	2462.700	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.56 3.12 30
Start [MHz] Stop [MHz]	2447.000 2477.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-13.77	dBm/3KHz	PASS

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 b mode

References

TC start	28.05.2026 11:21:50
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

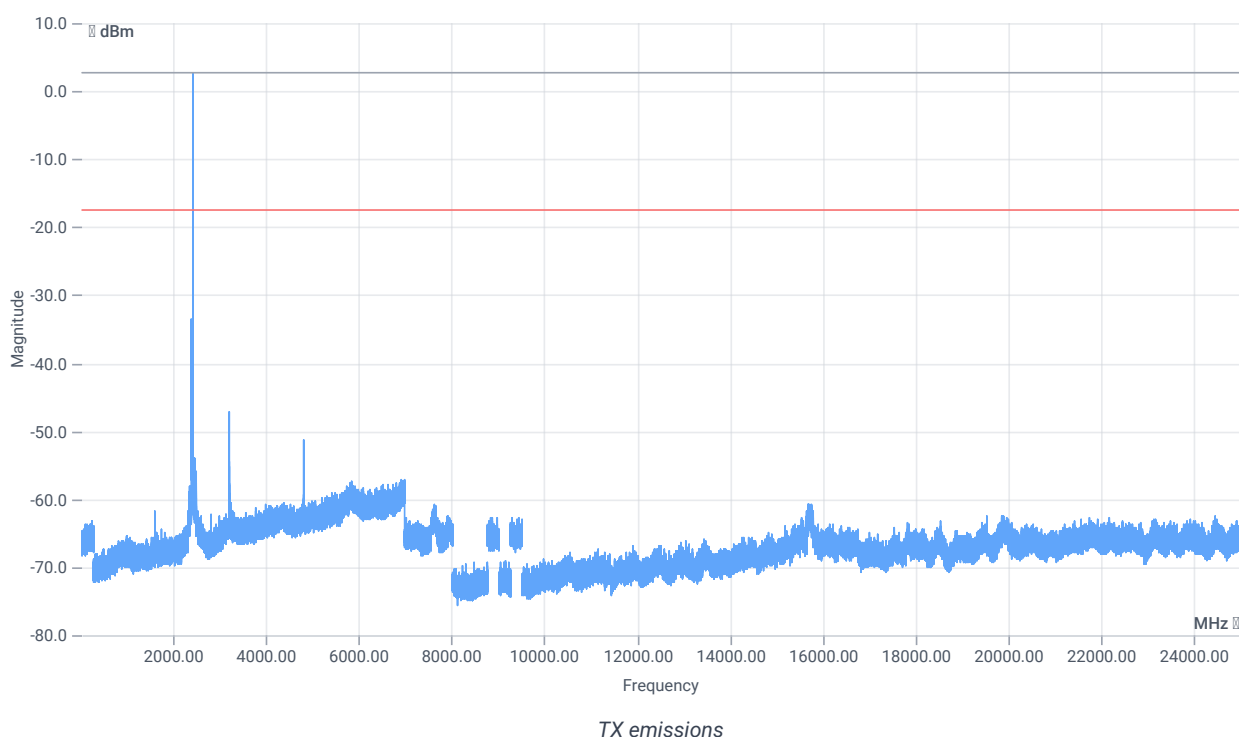
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at TX 2412 MHz

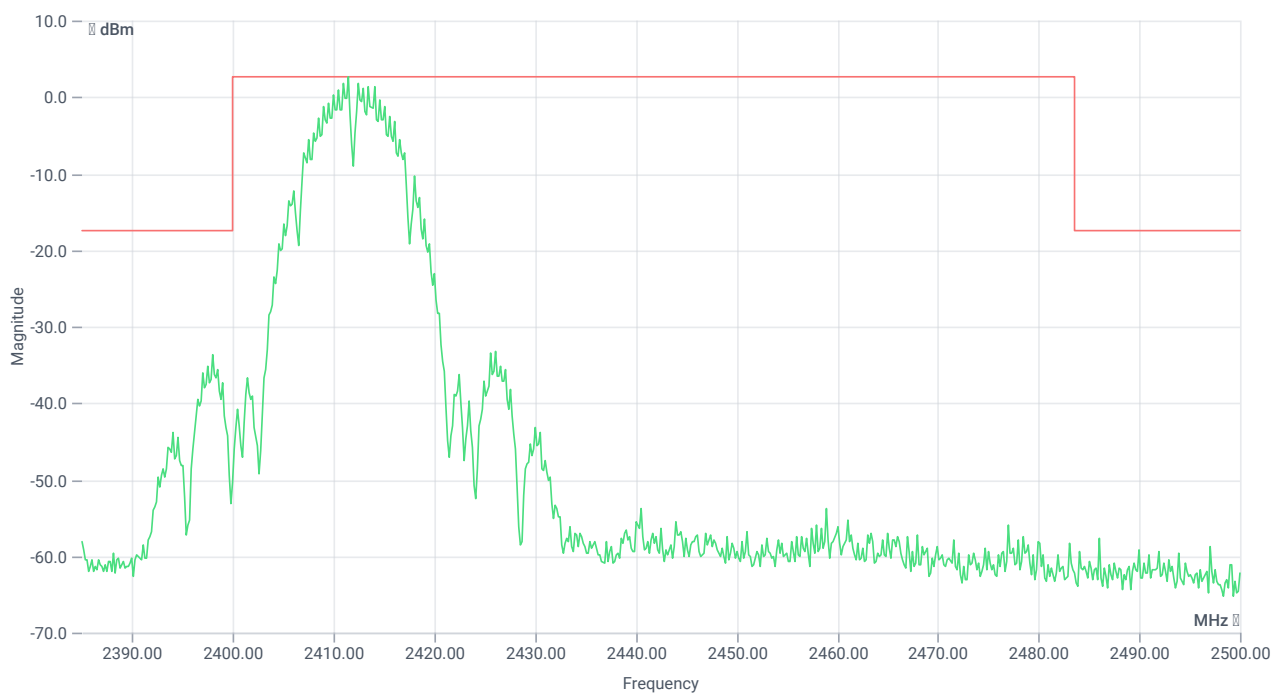
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.86	dBm	INFO
Ref. frequency	---	---	2413.200	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.86 10.2 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2411.50 MHz	---	---	2.61	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2398 MHz	0	---	16.21	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 b mode

References

TC start	28.05.2026 11:38:05
Ambit temp (test rack) [°C] humidity [rel%]	24.5 41
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

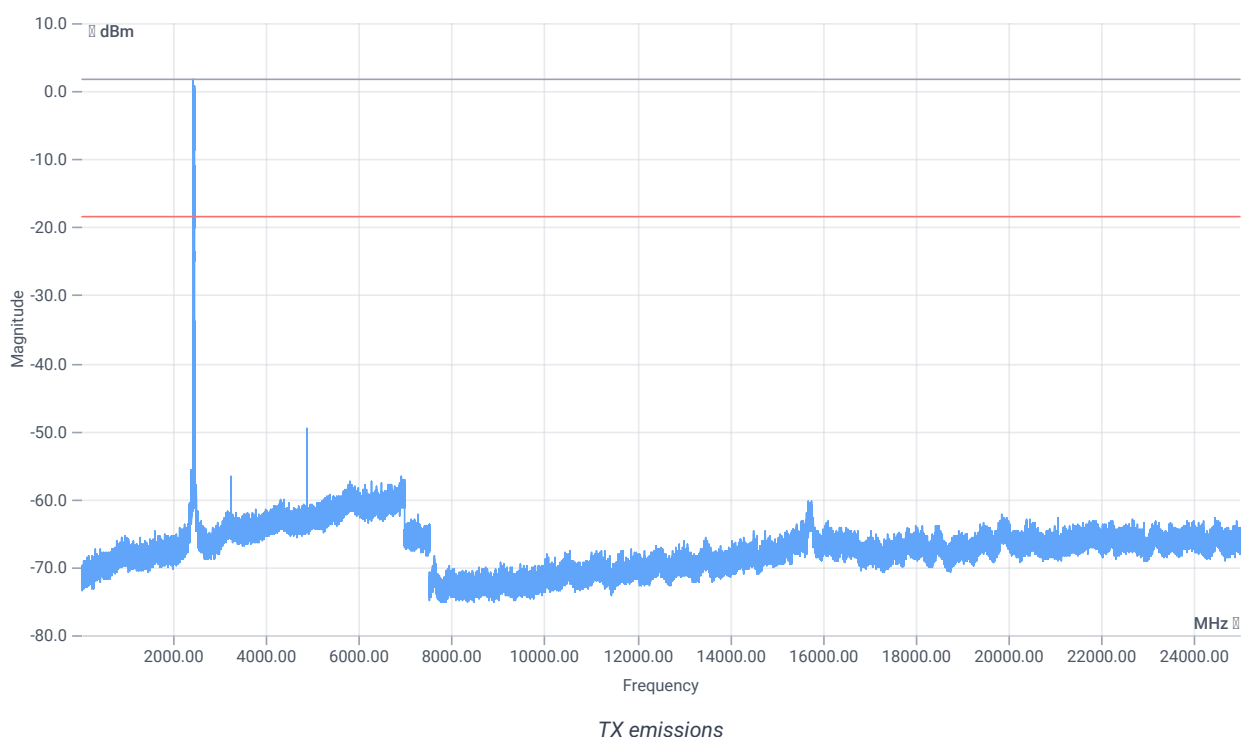
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at TX 2437 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.43	dBm	INFO
Ref. frequency	---	---	2435.800	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.43 10.2 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2436.00 MHz	---	---	1.66	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4874 MHz	0	---	31.33	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 b mode

References

TC start	28.05.2026 12:19:33
Ambit temp (test rack) [°C] humidity [rel%]	24.5 41
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

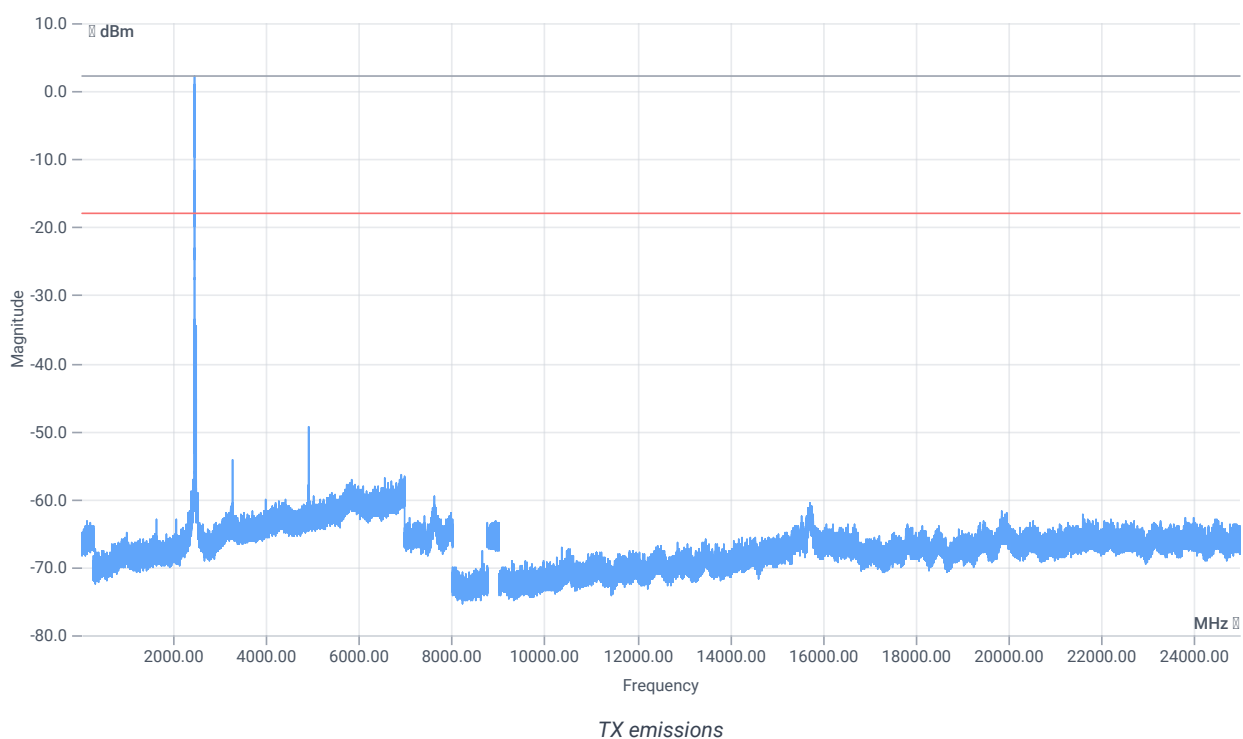
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at TX 2462 MHz

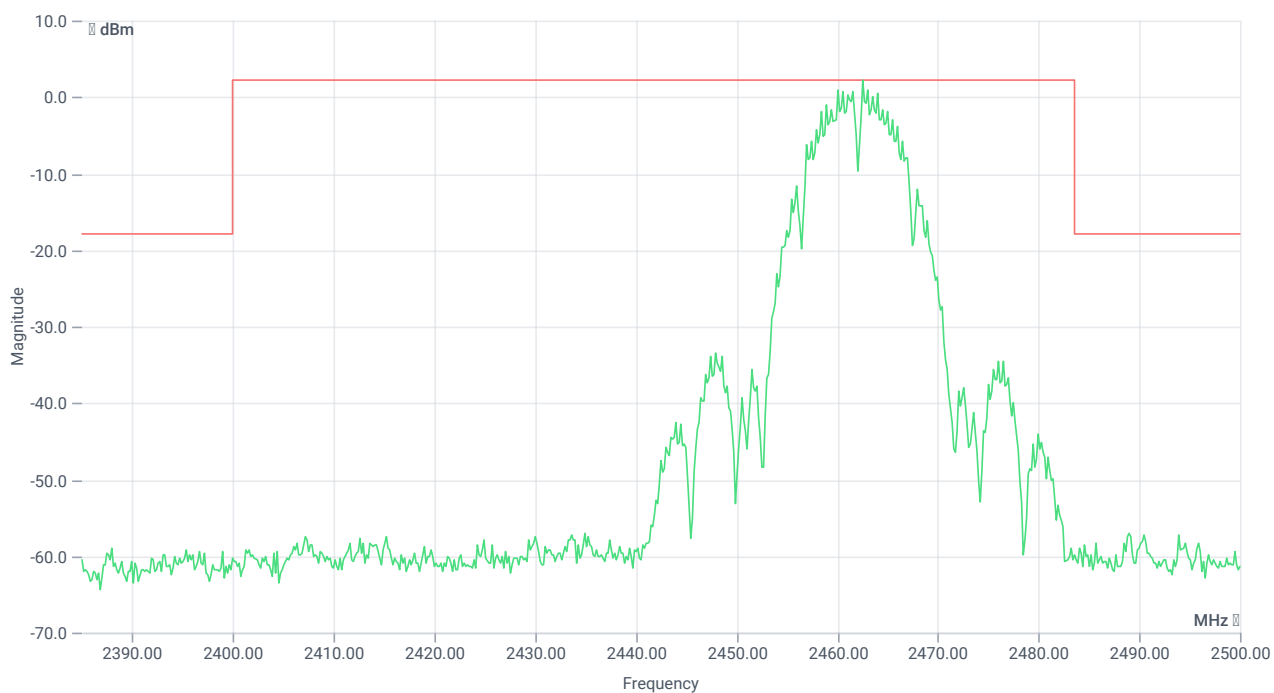
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.74	dBm	INFO
Ref. frequency	---	---	2460.800	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.74 10.2 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2462.50 MHz	---	---	2.12	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4924 MHz	0	---	31.47	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 g mode

References

TC start	28.05.2026 12:38:15
Ambit temp (test rack) [°C] humidity [rel%]	24.5 41
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

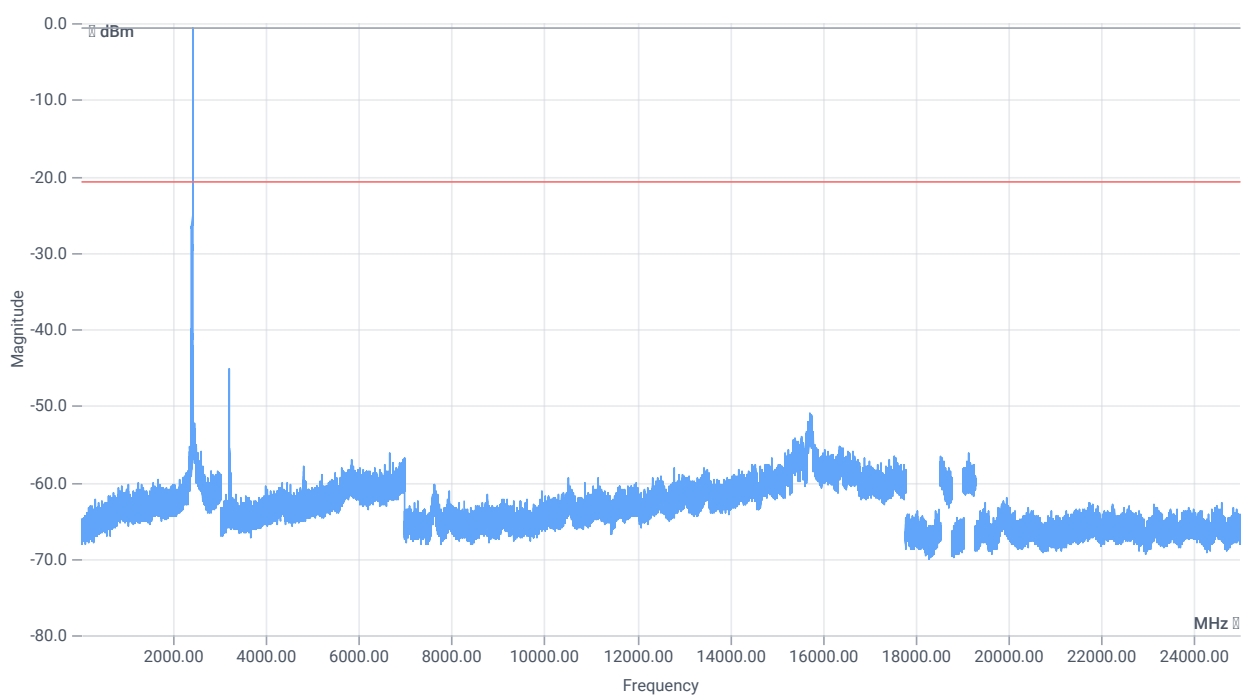
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at TX 2412 MHz

RESULT: Reference power cond.

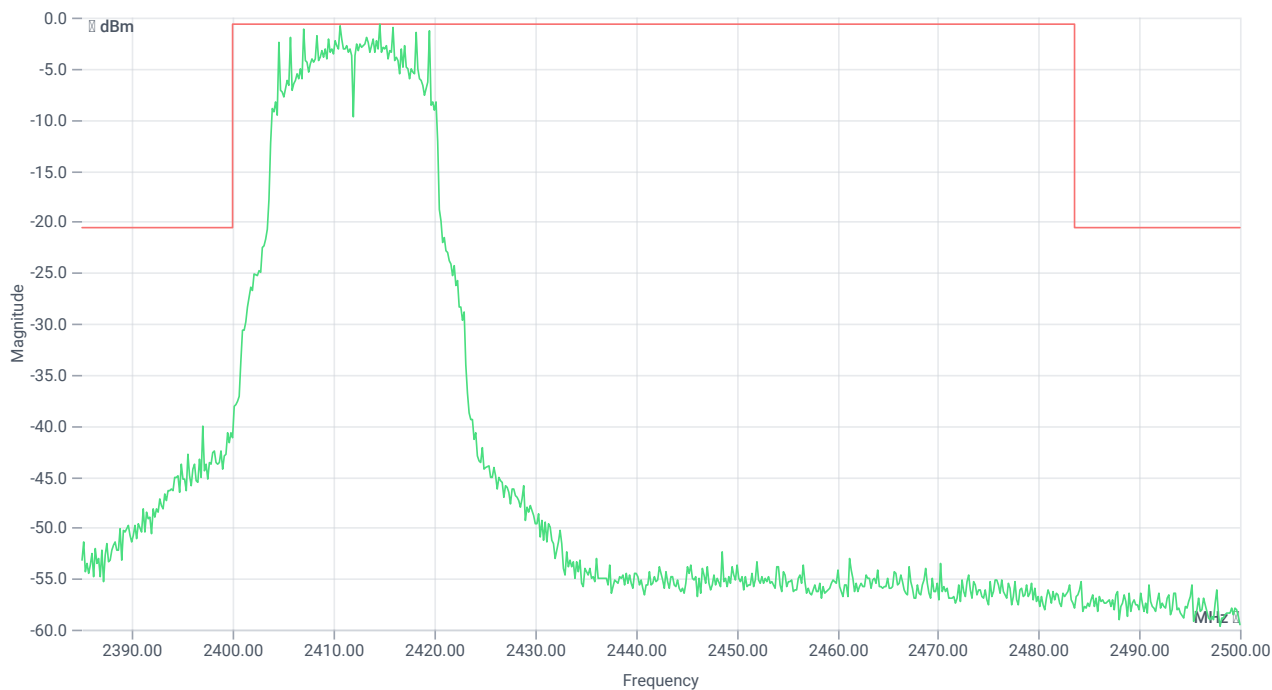
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.43	dBm	INFO
Ref. frequency	---	---	2413.300	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.43 10.2 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2414.50 MHz	---	---	-0.67	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2397 MHz	0	---	19.35	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 g mode

References

TC start	28.05.2026 12:55:38
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

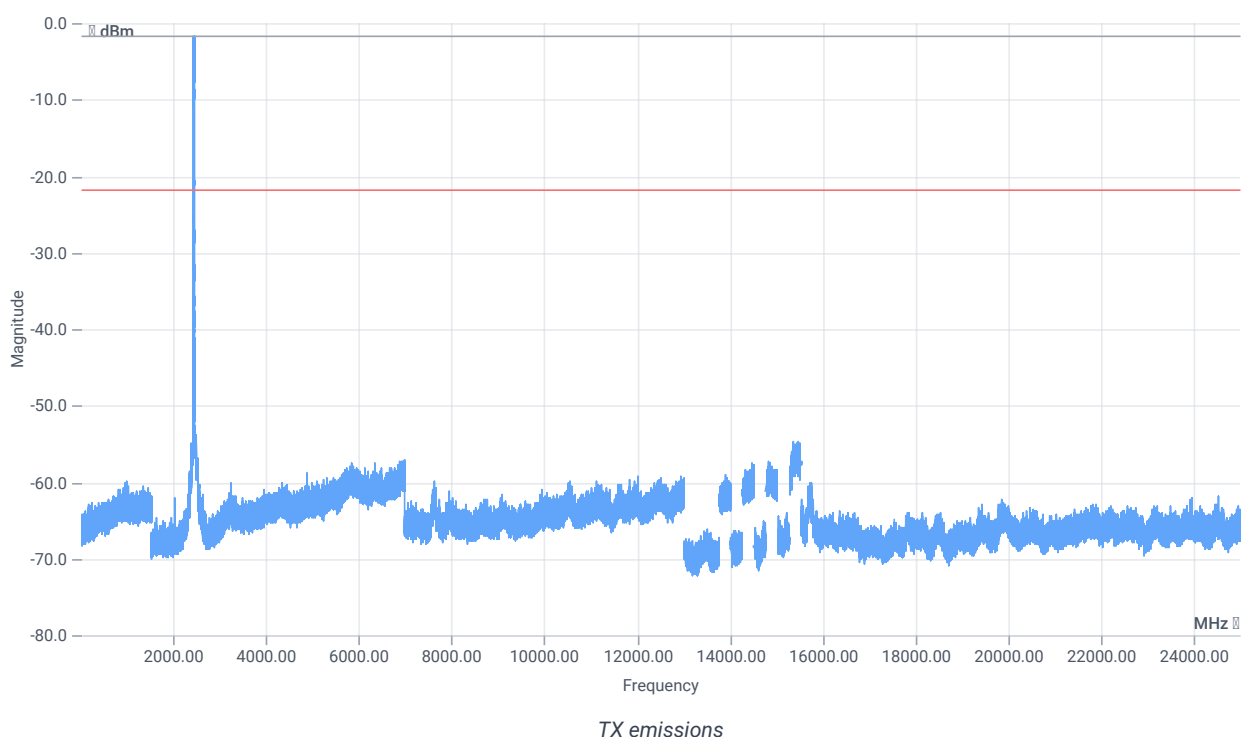
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at TX 2437 MHz

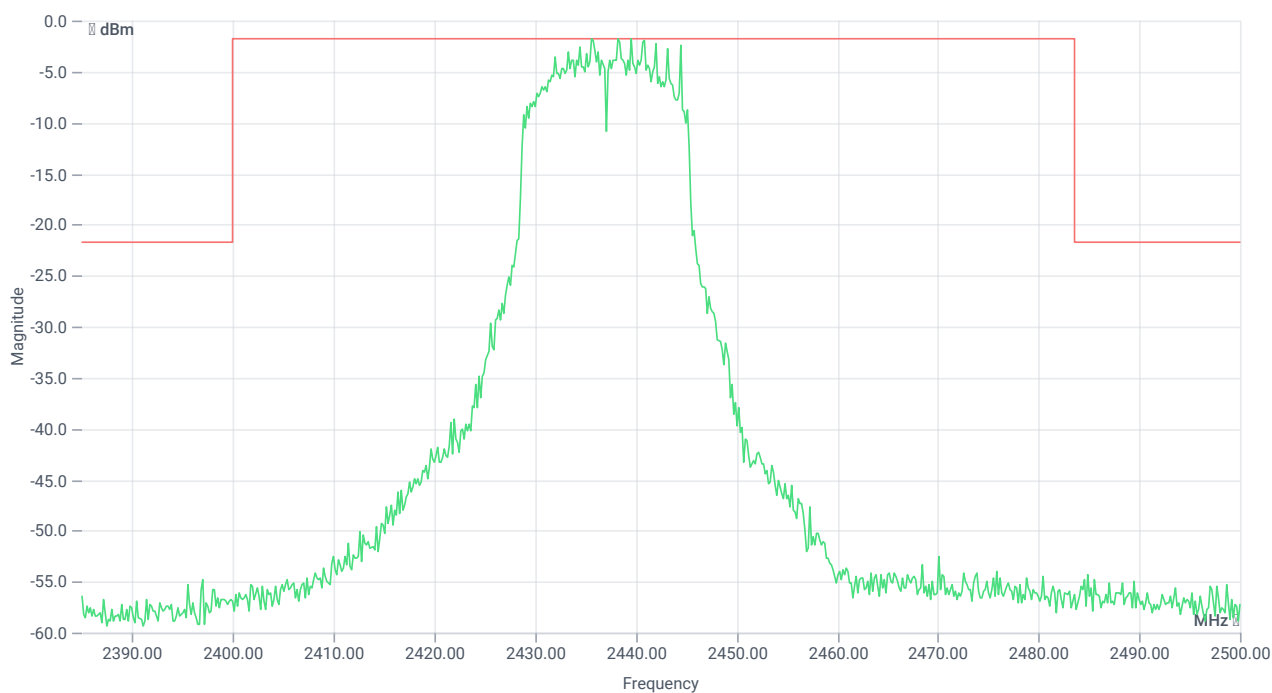
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.53	dBm	INFO
Ref. frequency	---	---	2435.600	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.53 10.2 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2439.50 MHz	---	---	-1.76	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2484.833 MHz	0	---	32.53	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 g mode

References

TC start	28.05.2026 13:15:27
Ambit temp (test rack) [°C] humidity [rel%]	24.4 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

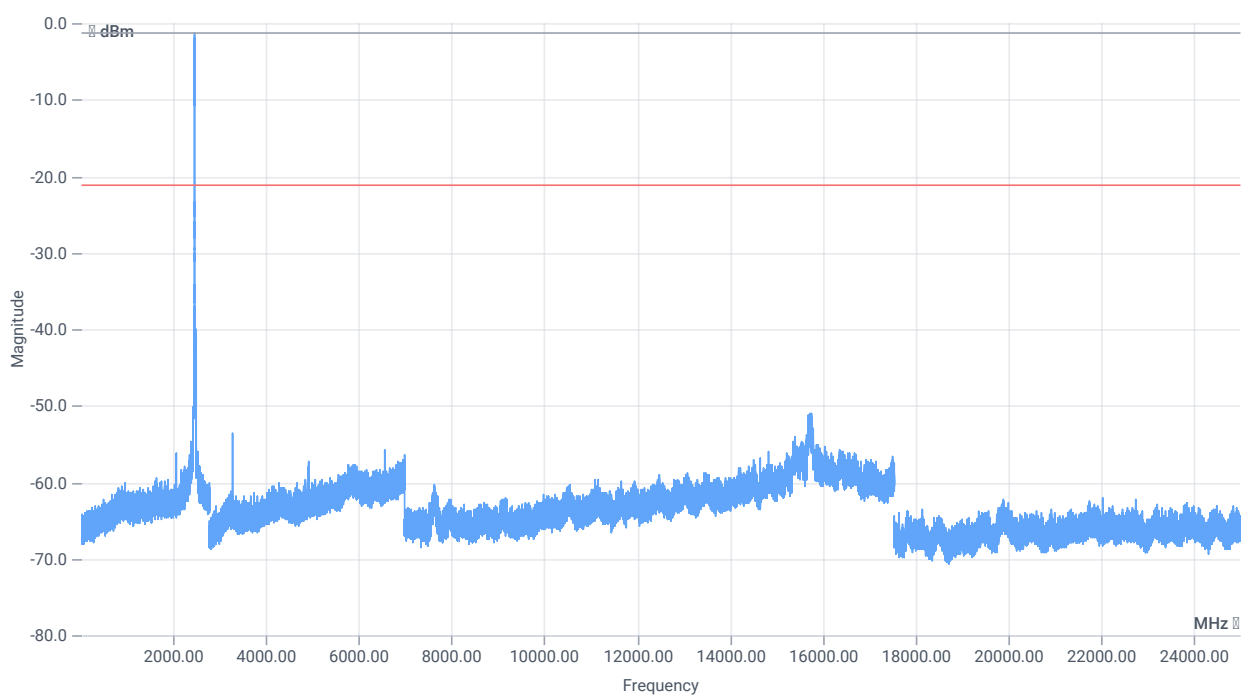
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at TX 2462 MHz

RESULT: Reference power cond.

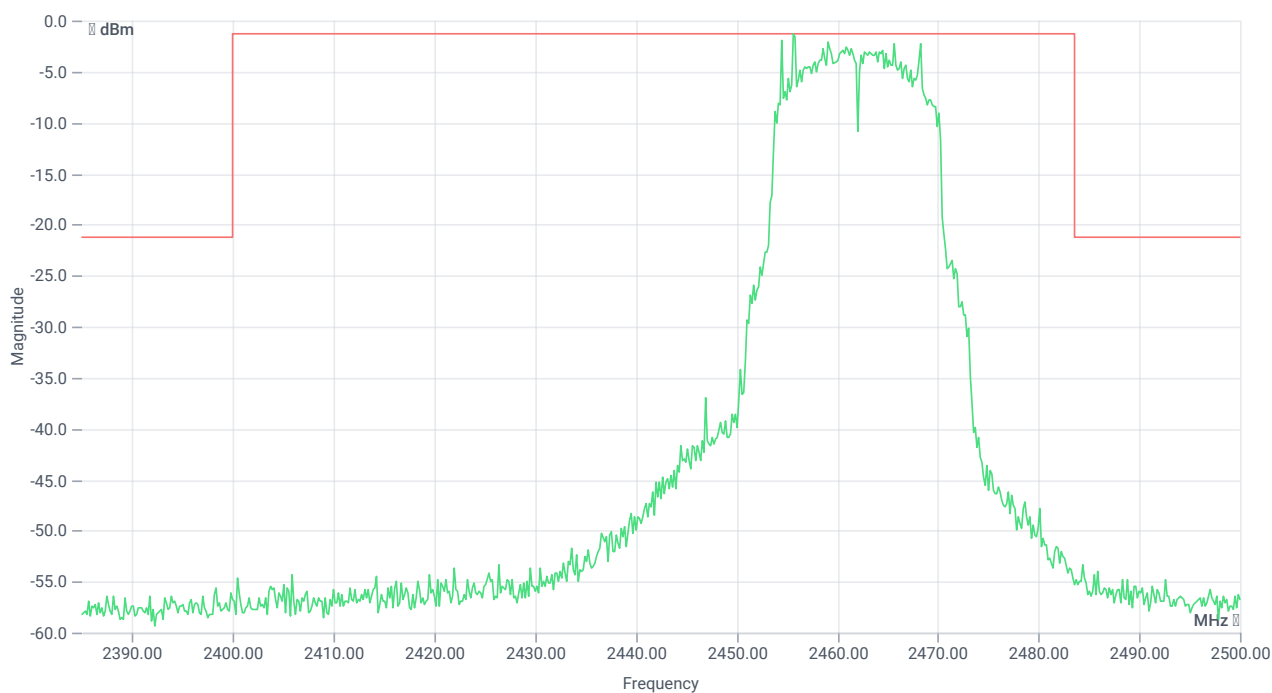
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.21	dBm	INFO
Ref. frequency	---	---	2460.700	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.21 10.2 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2455.67 MHz	---	---	-1.22	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 15759.333 MHz	0	---	29.81	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 n-HT20 mode

References

TC start	28.05.2026 13:32:43
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. DTS DTS - WLAN2G4 nHT20_mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

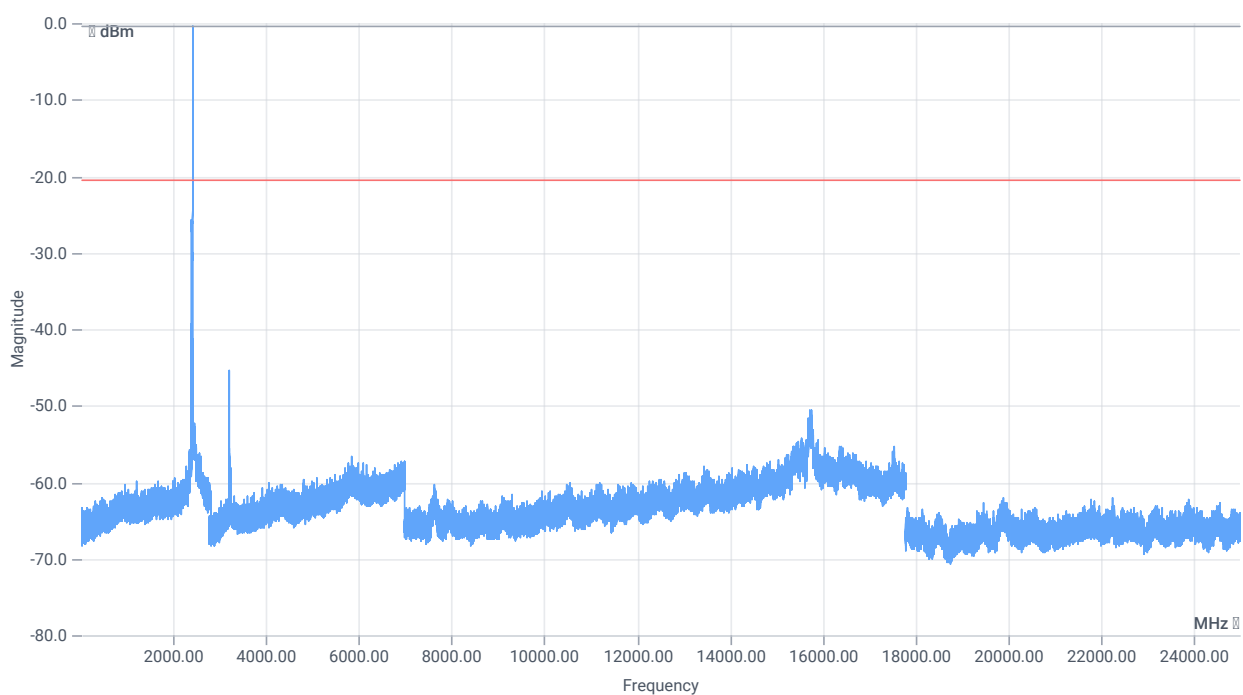
Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MPSIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at TX 2412 MHz

RESULT: Reference power cond.

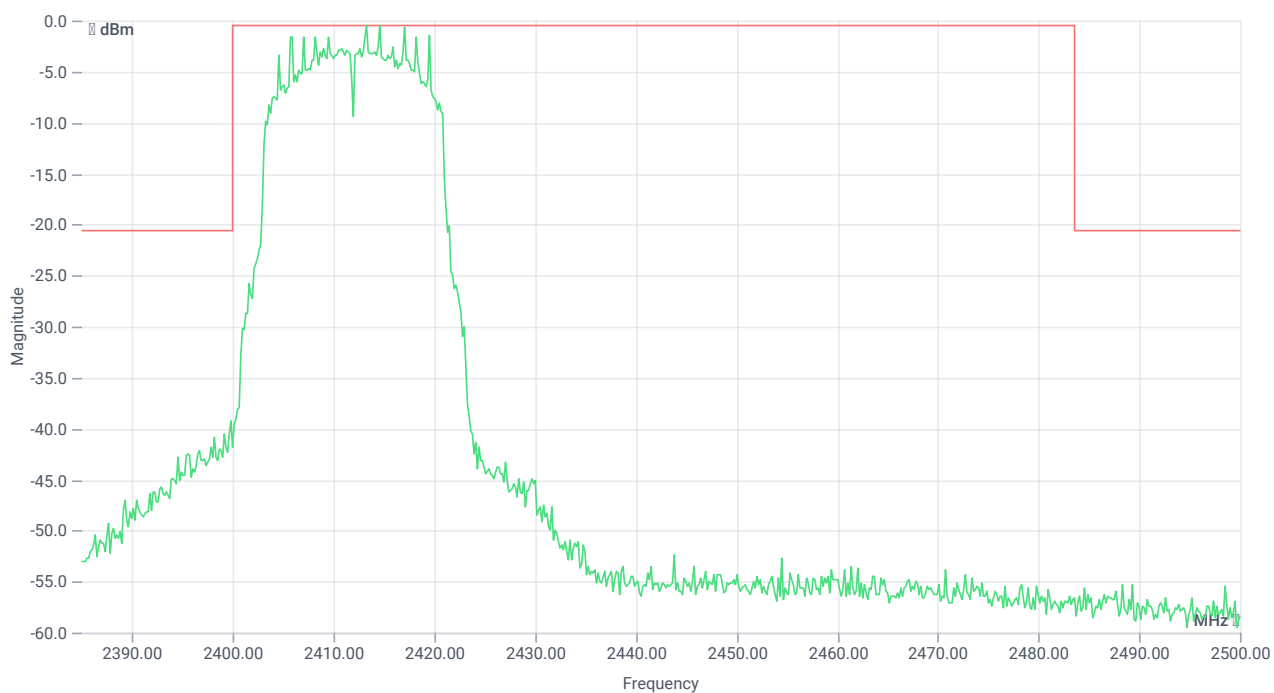
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.31	dBm	INFO
Ref. frequency	---	---	2413.400	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.31 10.2 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2413.33 MHz	---	---	-0.52	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.833 MHz	0	---	18.73	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 n-HT20 mode

References

TC start	28.05.2026 13:51:45
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. DTS DTS - WLAN2G4 nHT20_mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

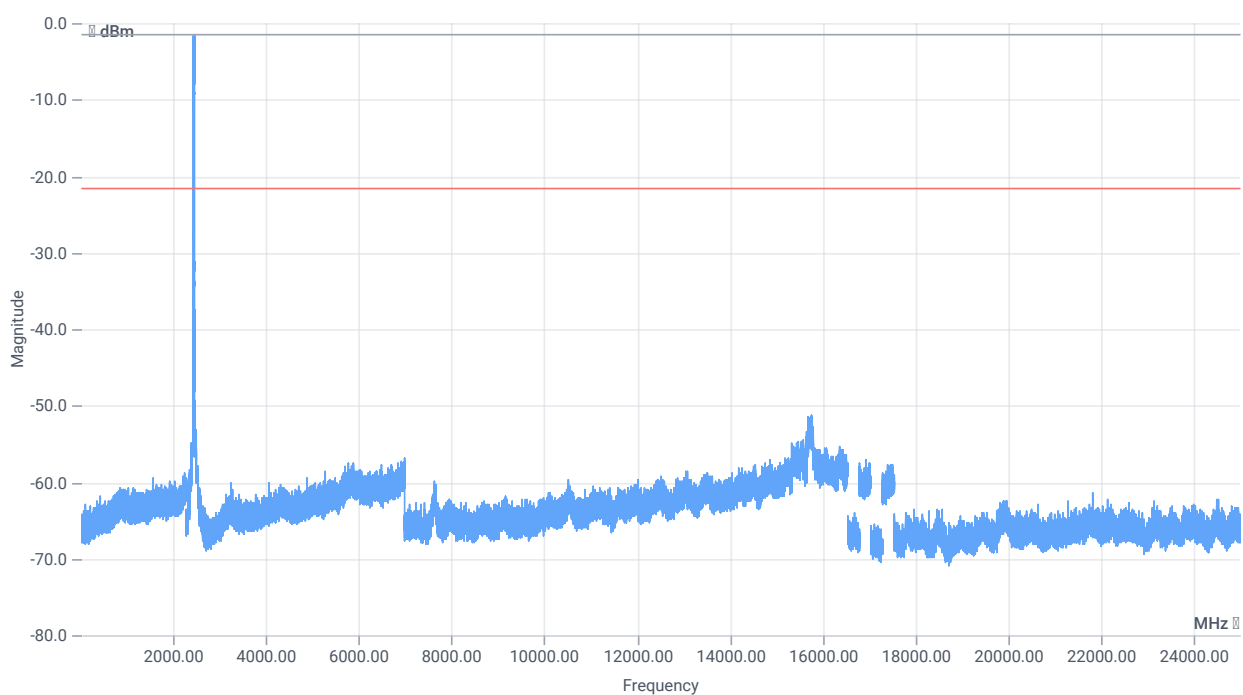
Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MPSIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at TX 2437 MHz

RESULT: Reference power cond.

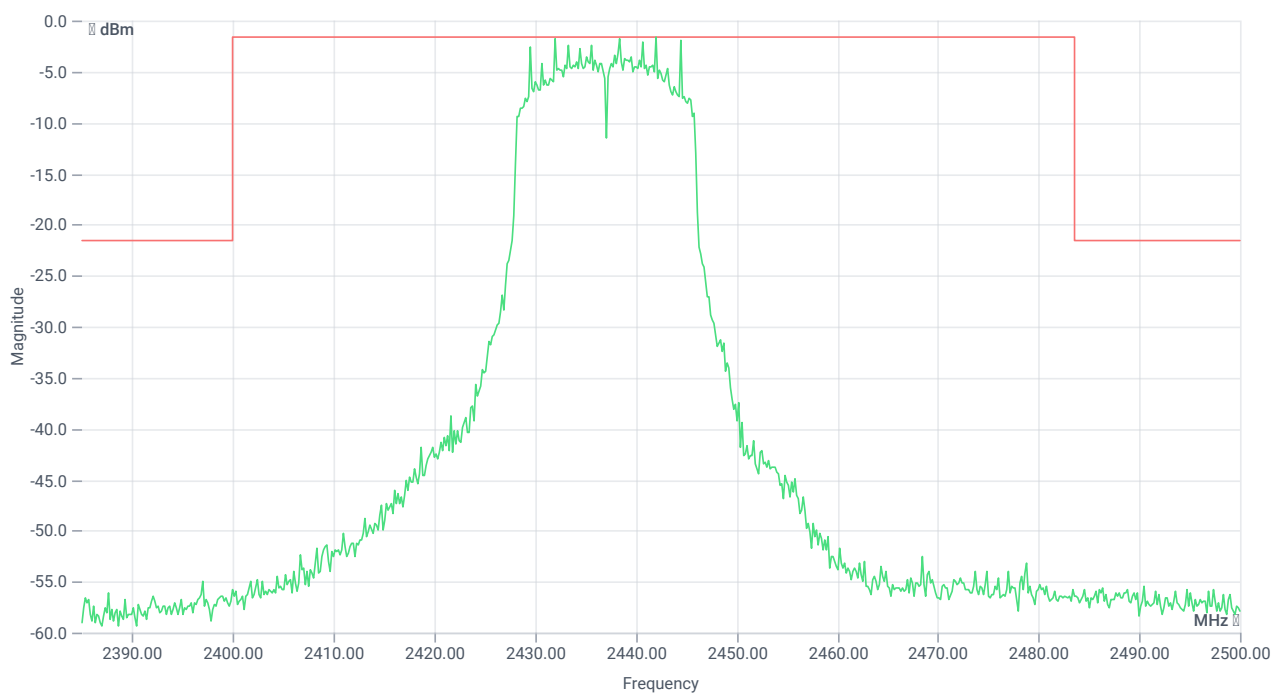
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.03	dBm	INFO
Ref. frequency	---	---	2438.300	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.03 10.2 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2442.00 MHz	---	---	-1.57	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 15744.5 MHz	0	---	29.73	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 n-HT20 mode

References

TC start	28.05.2026 14:18:21
Ambit temp (test rack) [°C] humidity [rel%]	24.5 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. DTS DTS - WLAN2G4 nHT20_mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

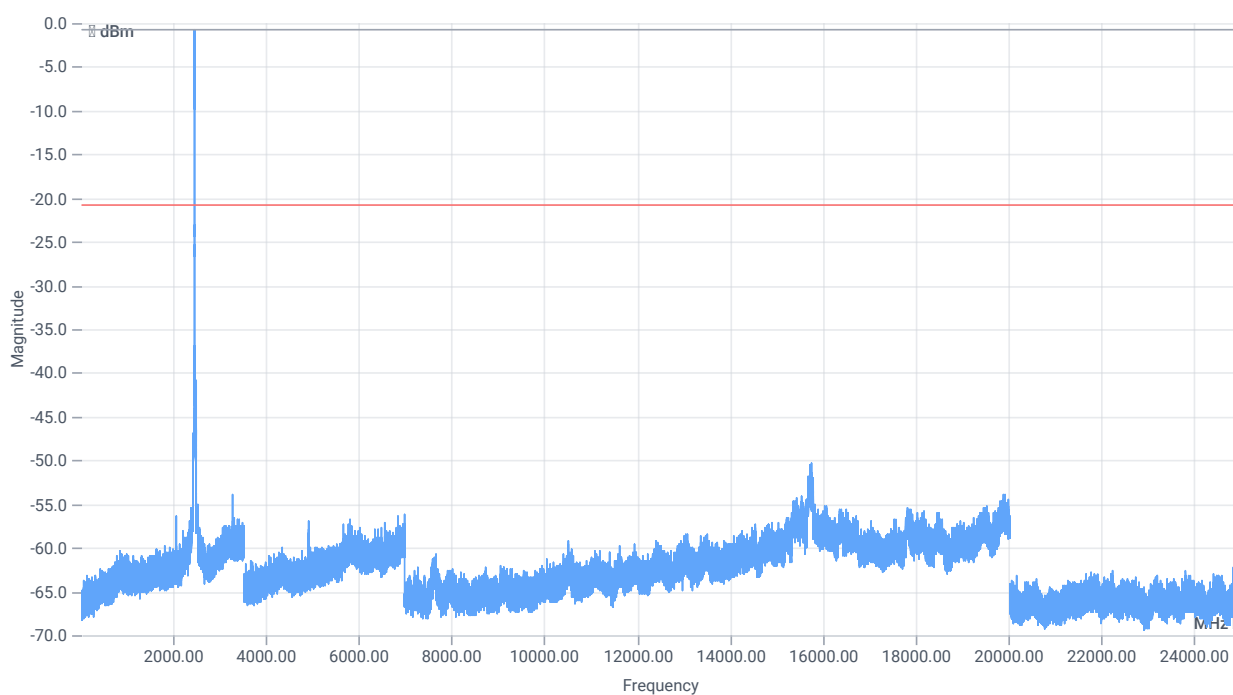
Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MPSIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at TX 2462 MHz

RESULT: Reference power cond.

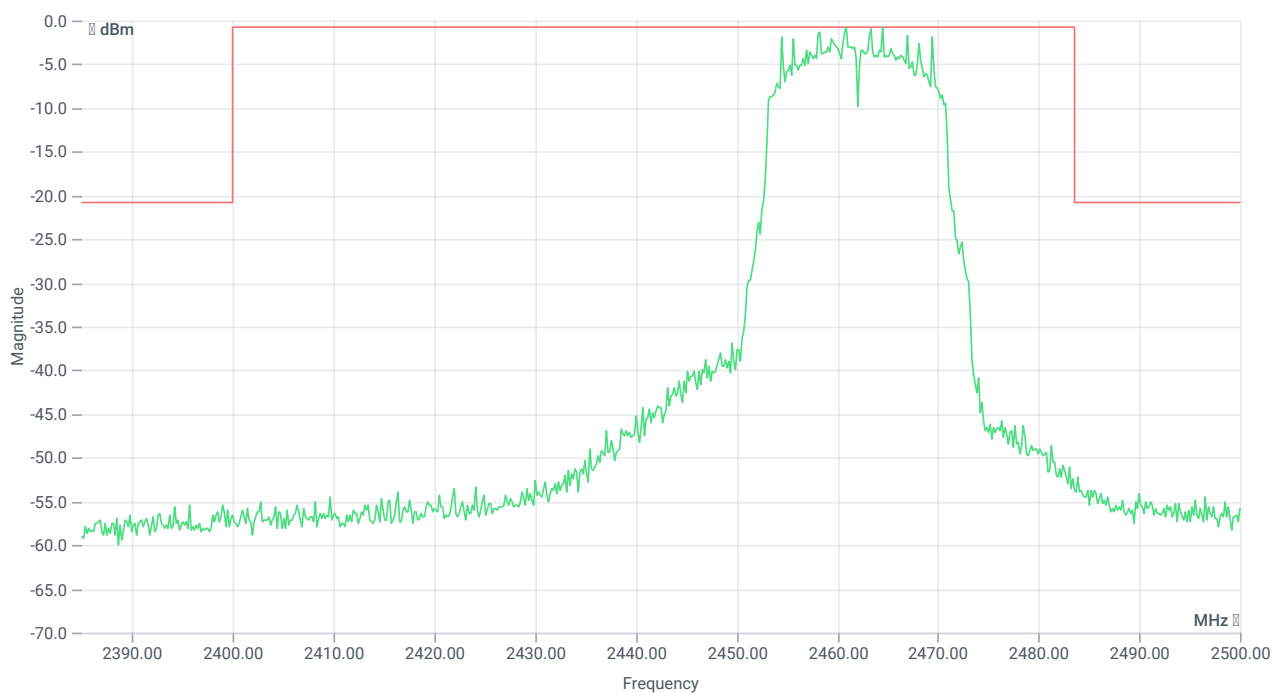
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.87	dBm	INFO
Ref. frequency	---	---	2460.700	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.87 10.2 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2464.50 MHz	---	---	-0.79	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 15750.333 MHz	0	---	29.6	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 ax-HE20

References

TC start	28.05.2026 14:34:44
Ambit temp (test rack) [°C] humidity [rel%]	24.6 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. DTS DTS - WLAN2G4 ax-HE20
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

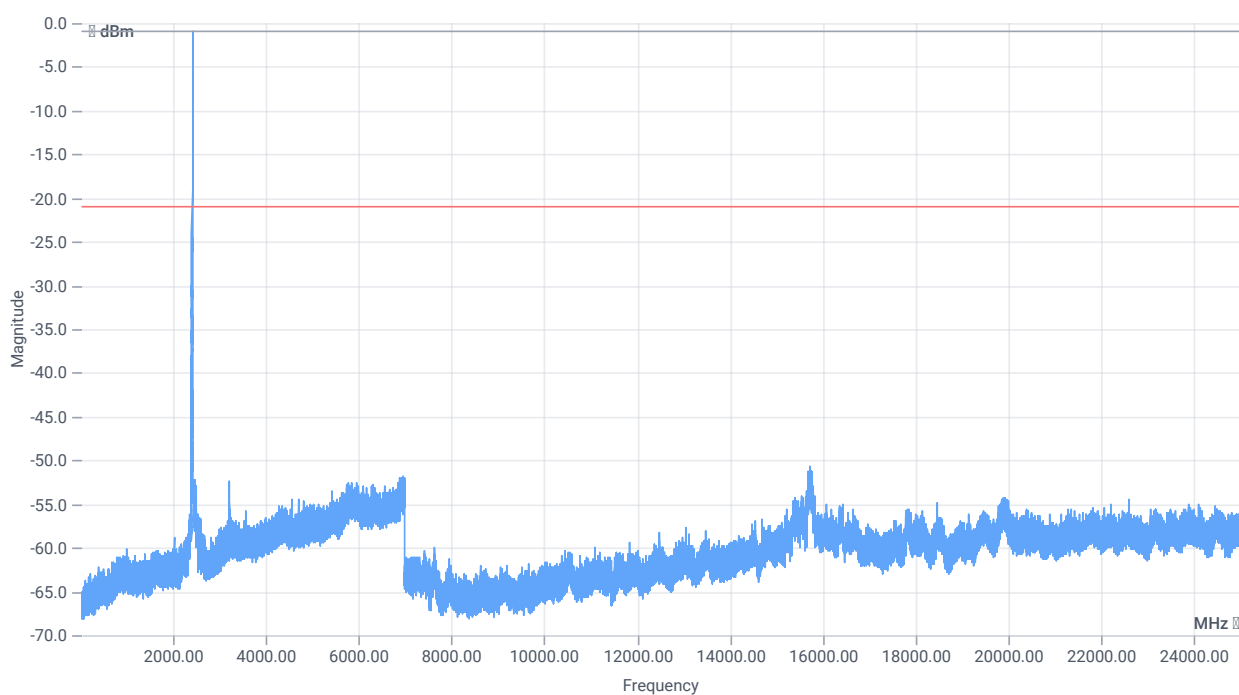
Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at TX 2412 MHz

RESULT: Reference power cond.

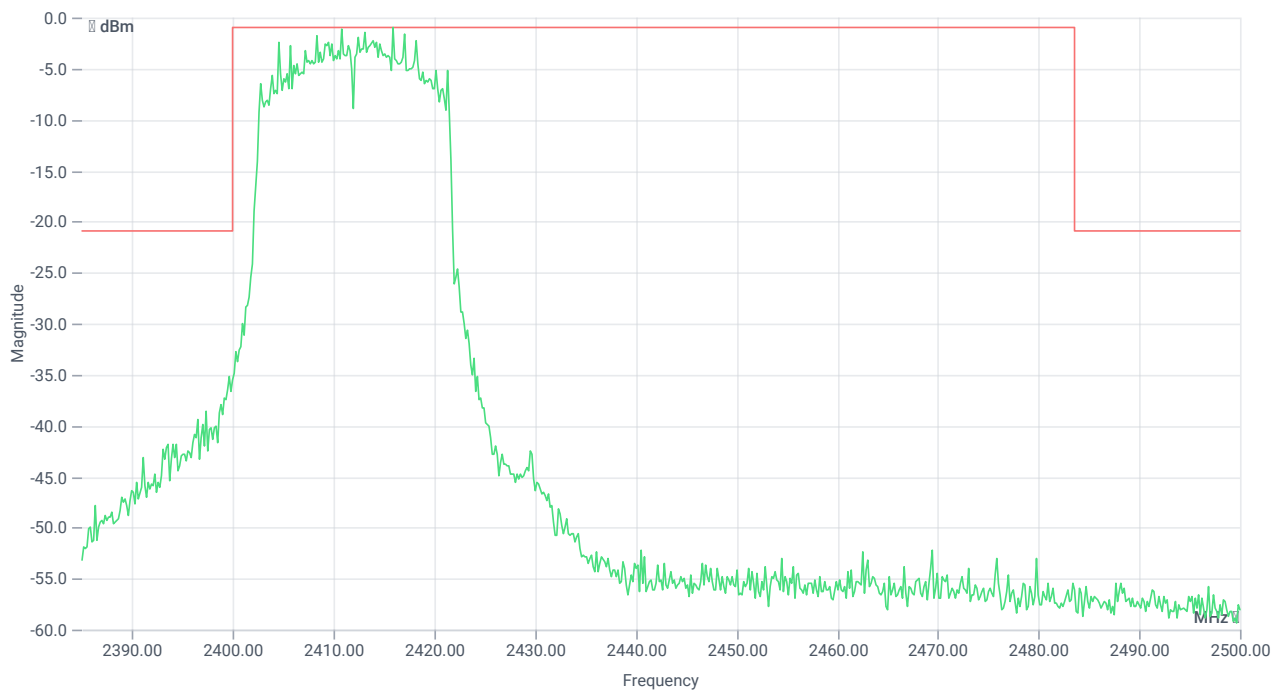
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.42	dBm	INFO
Ref. frequency	---	---	2411.300	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.42 10.2 20
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



TX emissions band zoomed

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2415.83 MHz	---	---	-0.98	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.667 MHz	0	---	14.17	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 ax-HE20

References

TC start	28.05.2026 14:55:32
Ambit temp (test rack) [°C] humidity [rel%]	24.8 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. DTS DTS - WLAN2G4 ax-HE20
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

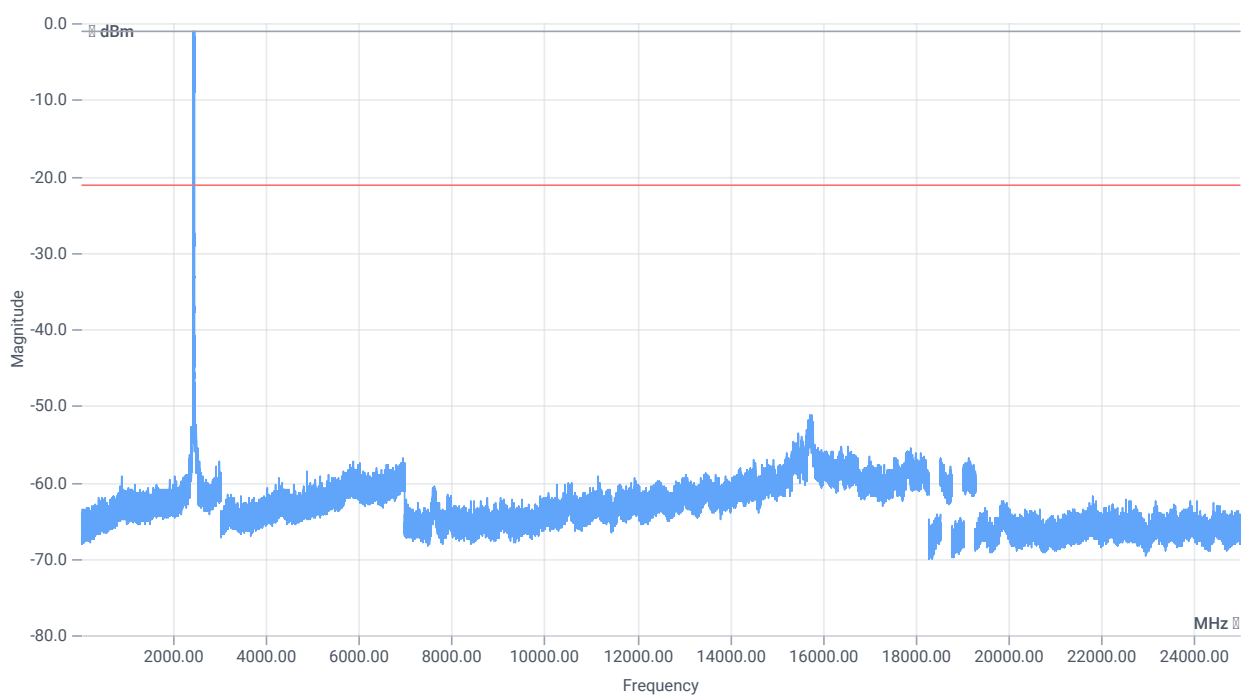
Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at TX 2437 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.51	dBm	INFO
Ref. frequency	---	---	2438.300	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.51 10.2 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2435.67 MHz	---	---	-1.09	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 15740.667 MHz	0	---	30.07	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 ax-HE20

References

TC start	28.05.2026 15:20:32
Ambit temp (test rack) [°C] humidity [rel%]	24.7 42
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. DTS DTS - WLAN2G4 ax-HE20
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

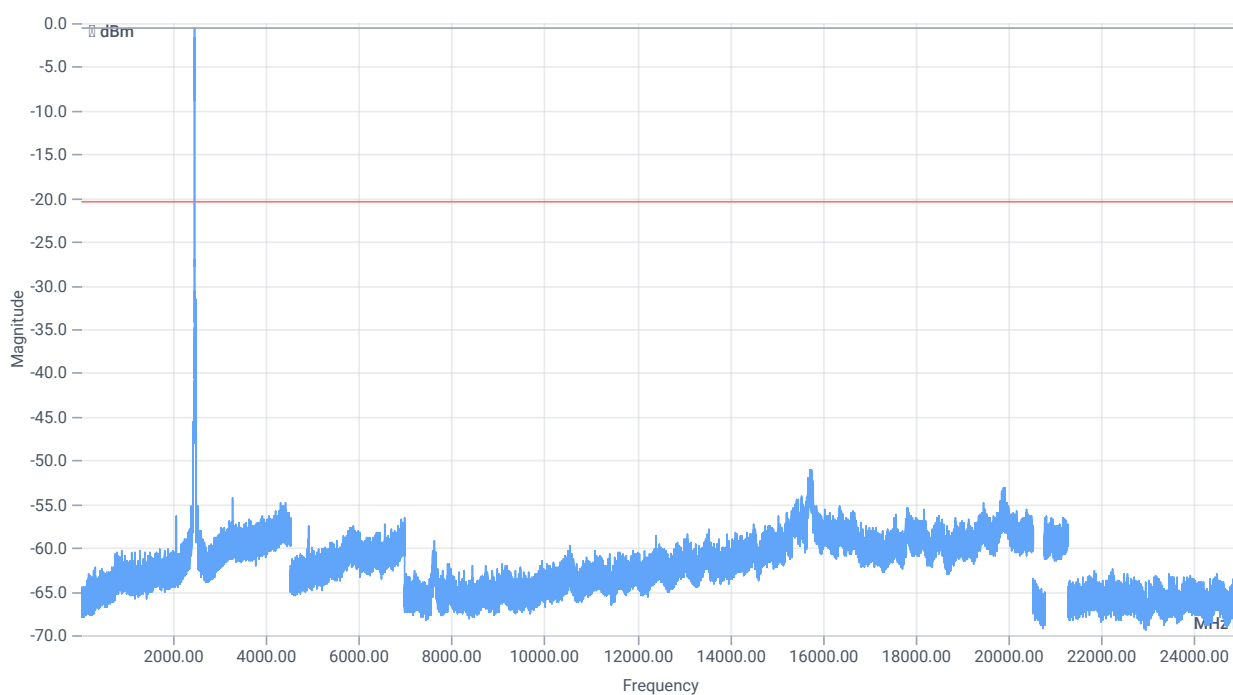
Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at TX 2462 MHz

RESULT: Reference power cond.

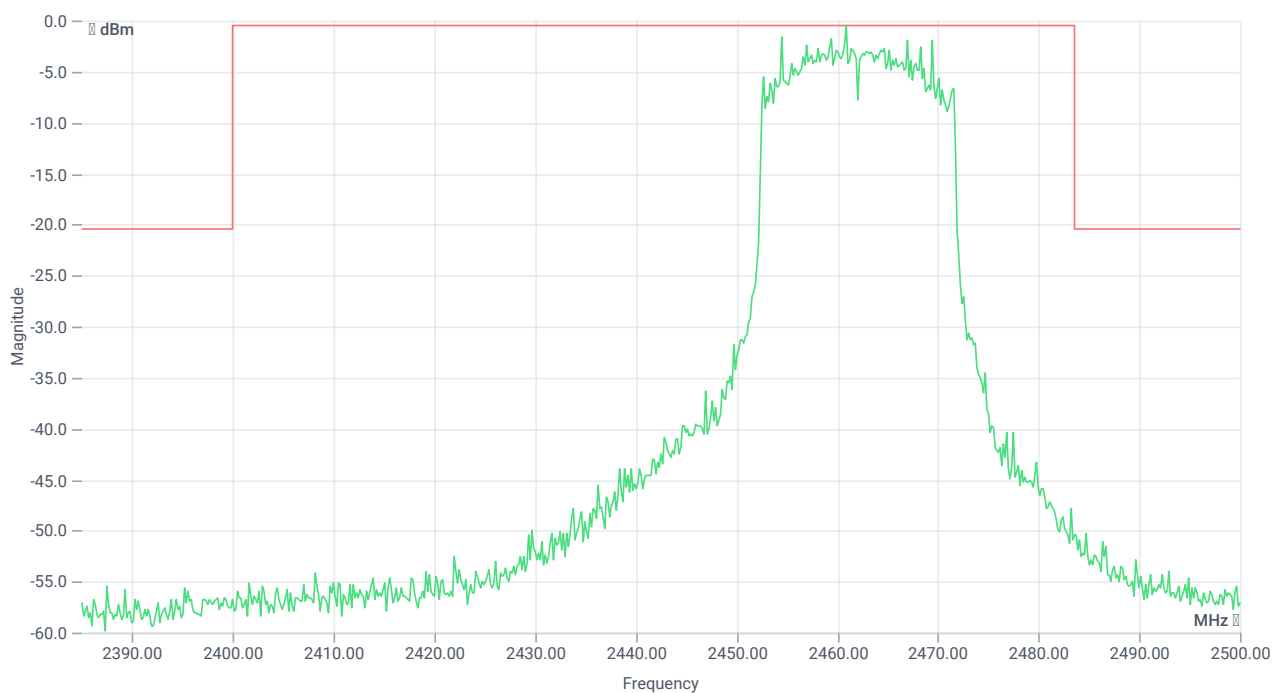
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.28	dBm	INFO
Ref. frequency	---	---	2462.900	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.28 10.2 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2460.83 MHz	---	---	-0.51	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2484.667 MHz	0	---	29.8	dB	INFO

Verdict

PASS

FCC 15.247 # Bandwidth 6dB DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 09:28:06
Ambit temp (test rack) [°C] humidity [rel%]	23.0 44
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	
Description	FCC 15.247 Bandwidth 6dB DTS - WLAN2G4 ax-HE20
Information	ax20_ER-mode_106

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

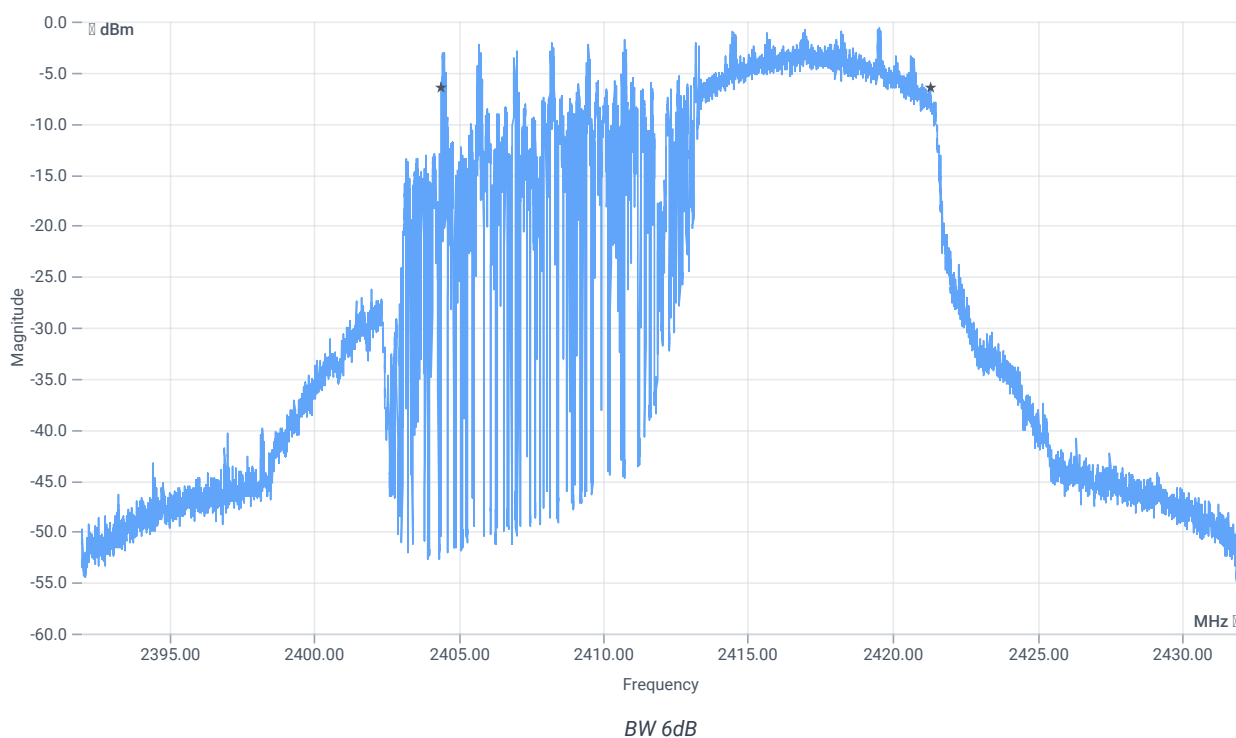
Test at TX 2412 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.52	dBm	INFO
Ref. frequency	---	---	2417.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.52 3.13 30
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	500	---	16868	kHz	PASS

Verdict

PASS

FCC 15.247 # Bandwidth 6dB DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 09:53:19
Ambit temp (test rack) [°C] humidity [rel%]	23.0 44
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	
Description	FCC 15.247 Bandwidth 6dB DTS - WLAN2G4 ax-HE20
Information	ax20_ER-mode_106

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

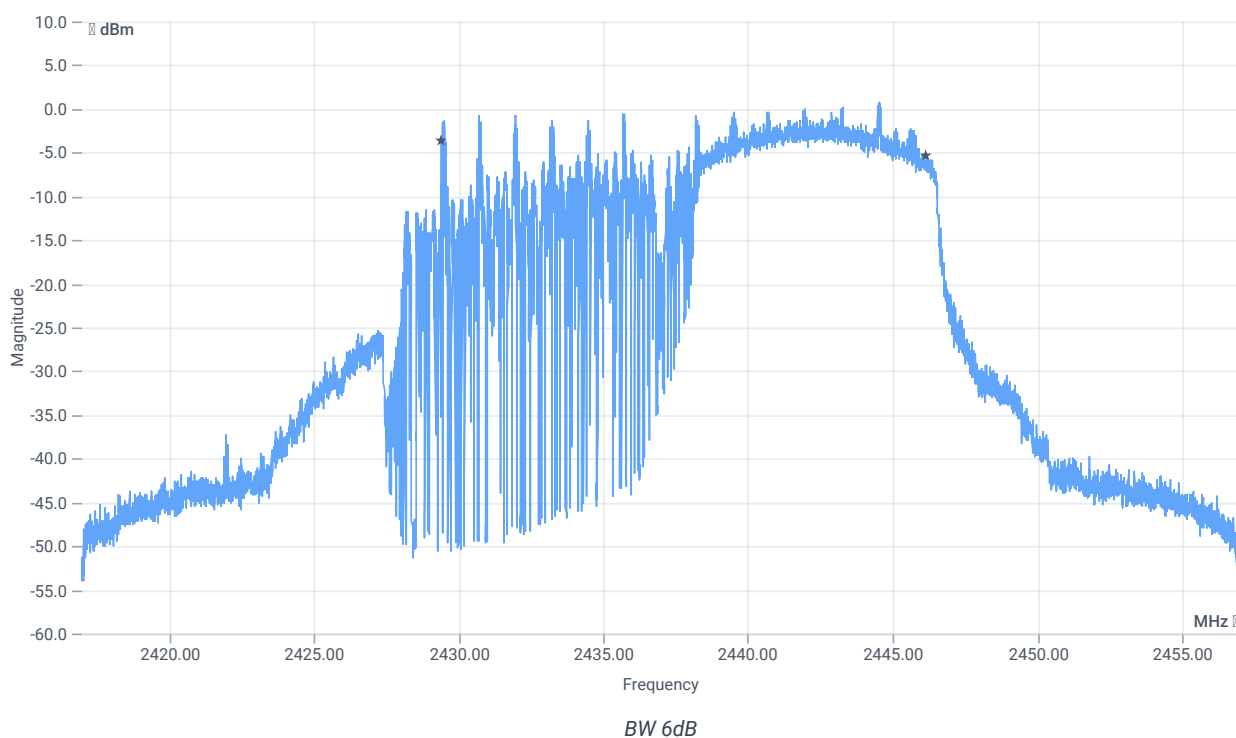
Test at TX 2437 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.45	dBm	INFO
Ref. frequency	---	---	2442.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.45 3.15 30
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	500	---	16728	kHz	PASS

Verdict

PASS

FCC 15.247 # Bandwidth 6dB DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 10:09:25
Ambit temp (test rack) [°C] humidity [rel%]	23.0 44
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	
Description	FCC 15.247 Bandwidth 6dB DTS - WLAN2G4 ax-HE20
Information	ax20_ER-mode_106

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

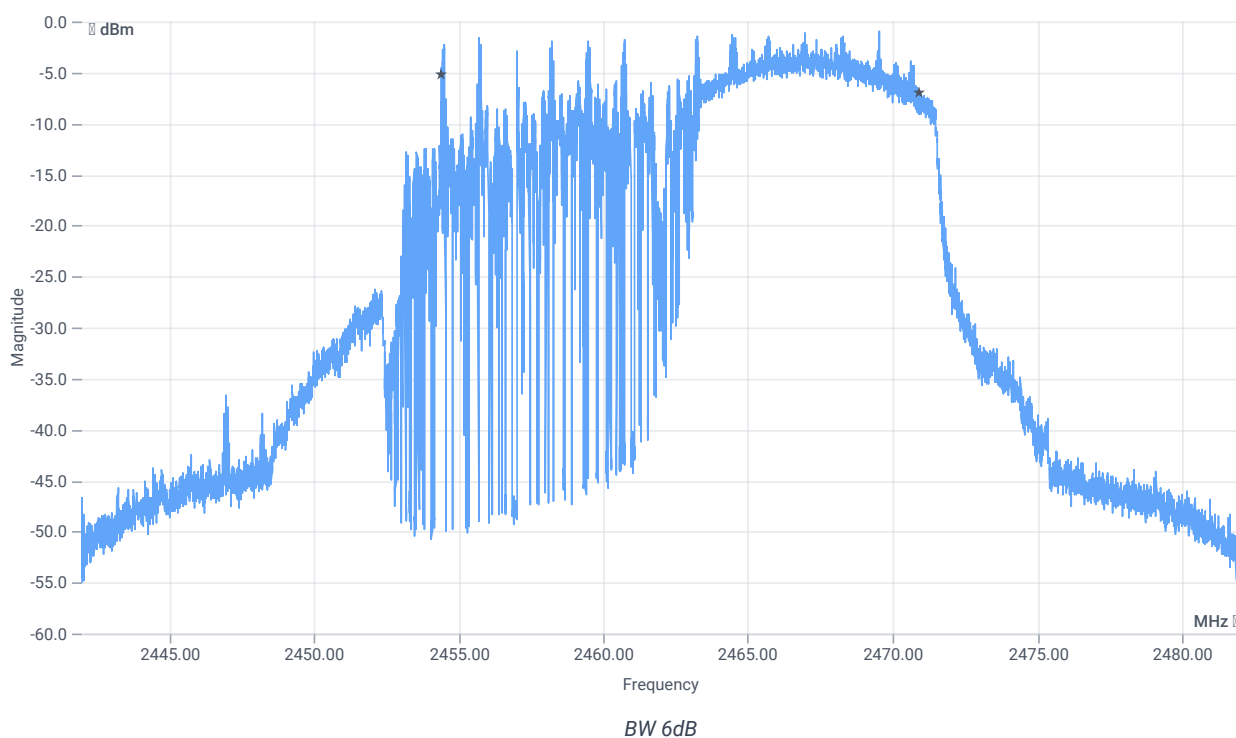
Test at TX 2462 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.87	dBm	INFO
Ref. frequency	---	---	2468.190	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.87 3.12 30
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	500	---	16516	kHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 09:29:22
Ambit temp (test rack) [°C] humidity [rel%]	23.0 44
System version	6.0.7.4
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 ax-HE20
Information	ax20_ER-mode_106

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

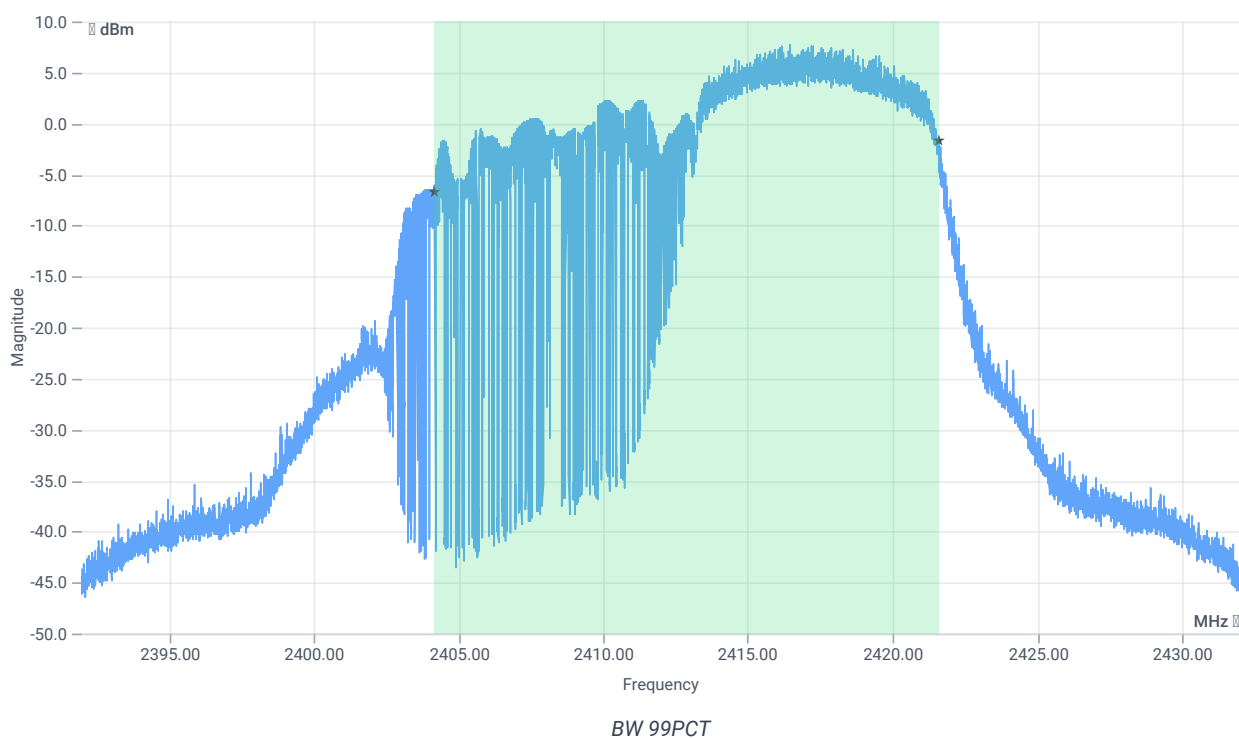
Test at TX 2412 MHz

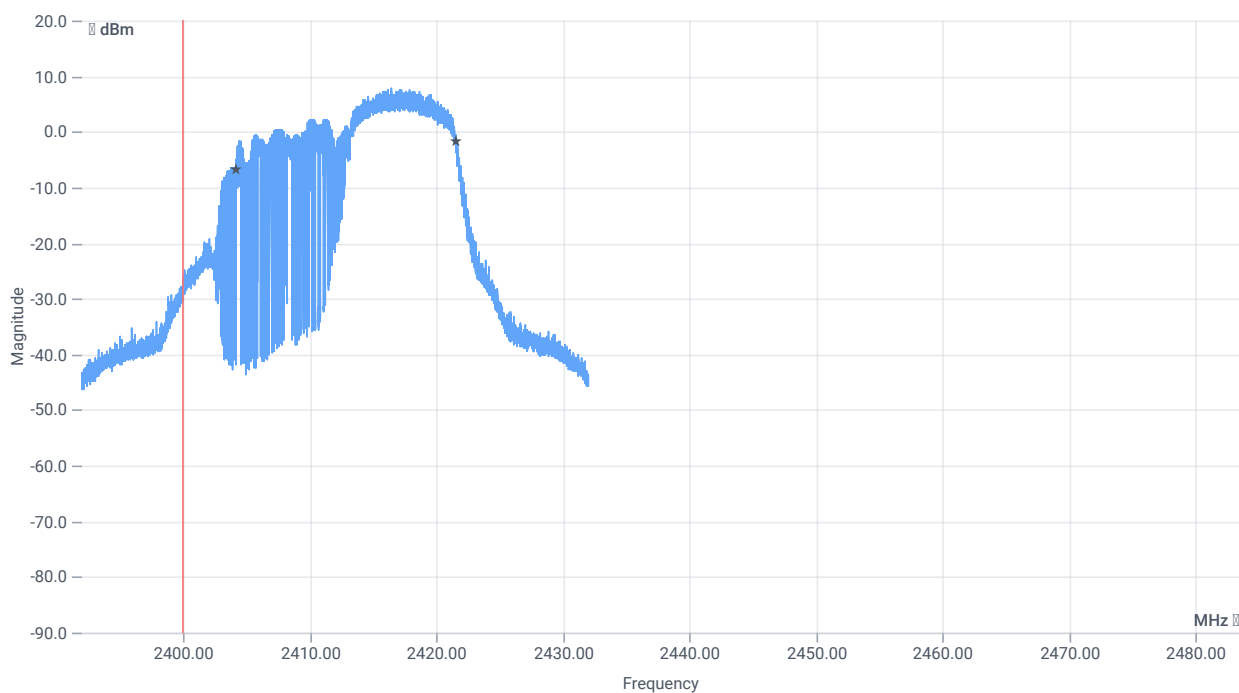
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.46	dBm	INFO
Ref. frequency	---	---	2416.100	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.46 3.13 30
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

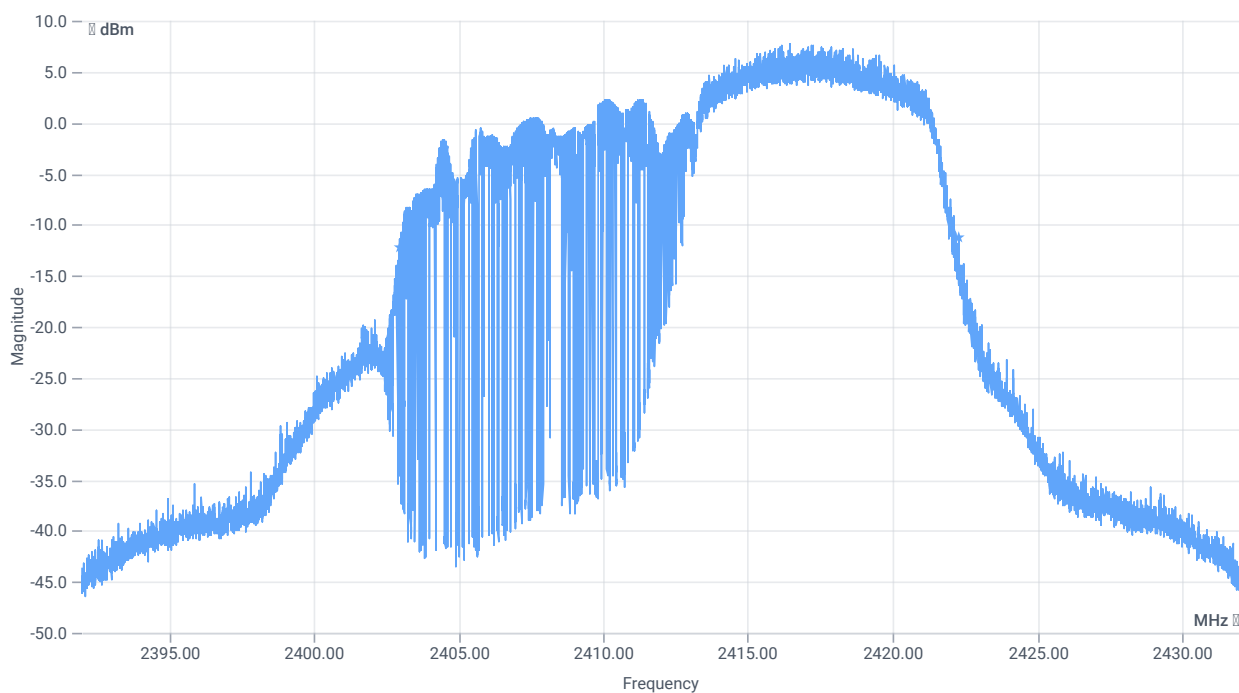




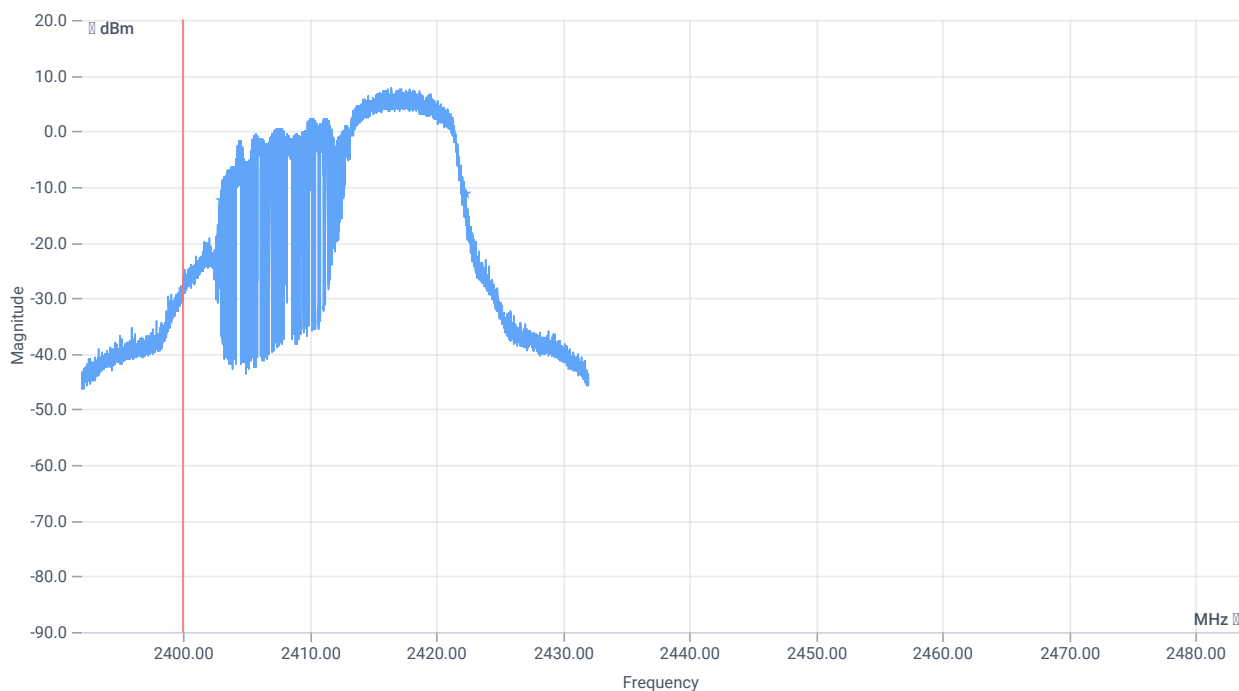
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	17438.000	kHz	INFO
T1 99%	2400.000000	---	2404.1528	MHz	PASS
T2 99%	---	2483.500000	2421.5910	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	19316	kHz	INFO
T1 20dB	2400.000000	---	2402.9480	MHz	PASS
T2 20dB	---	2483.500000	2422.2640	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 09:54:35
Ambit temp (test rack) [°C] humidity [rel%]	23.0 44
System version	6.0.7.4
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 ax-HE20
Information	ax20_ER-mode_106

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

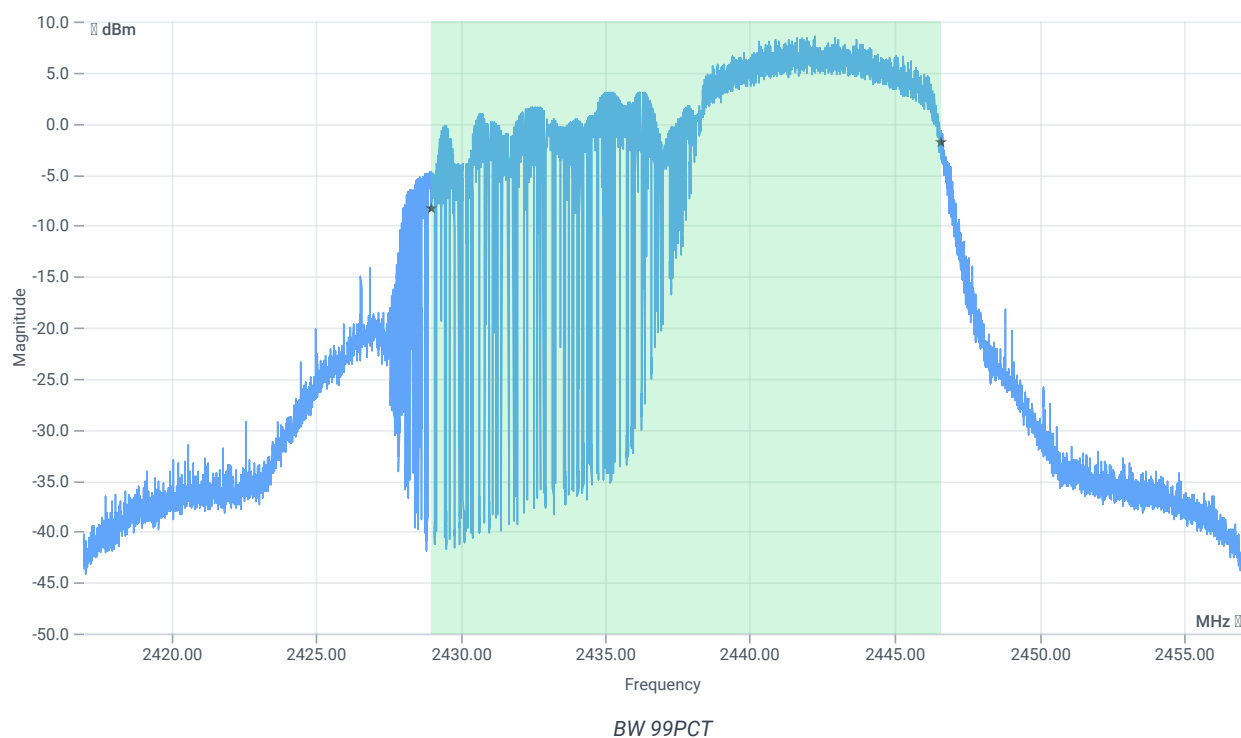
Test at TX 2437 MHz

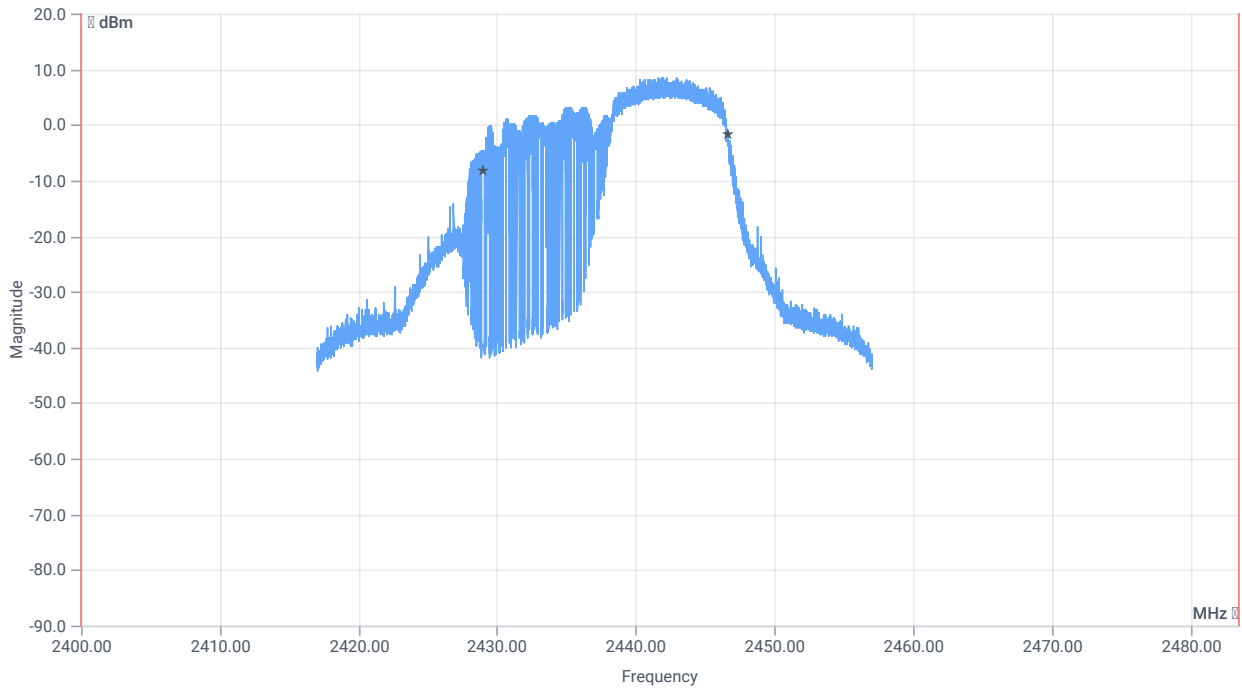
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.74	dBm	INFO
Ref. frequency	---	---	2442.890	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.74 3.15 30
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

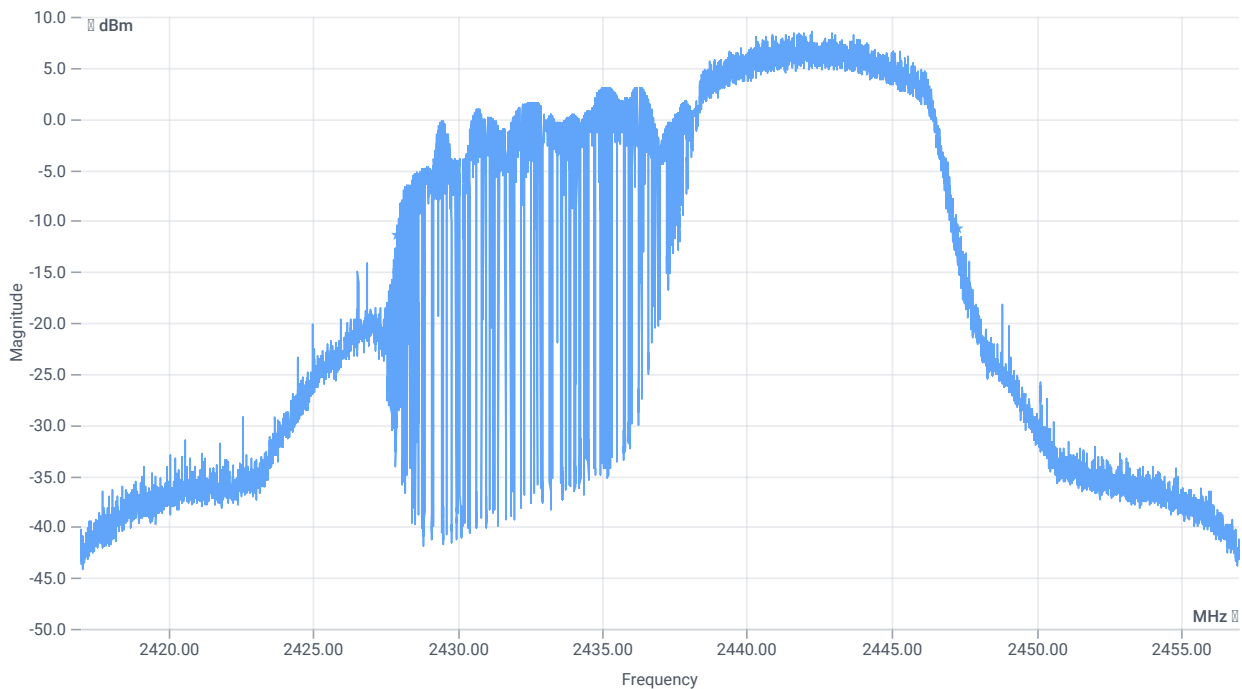




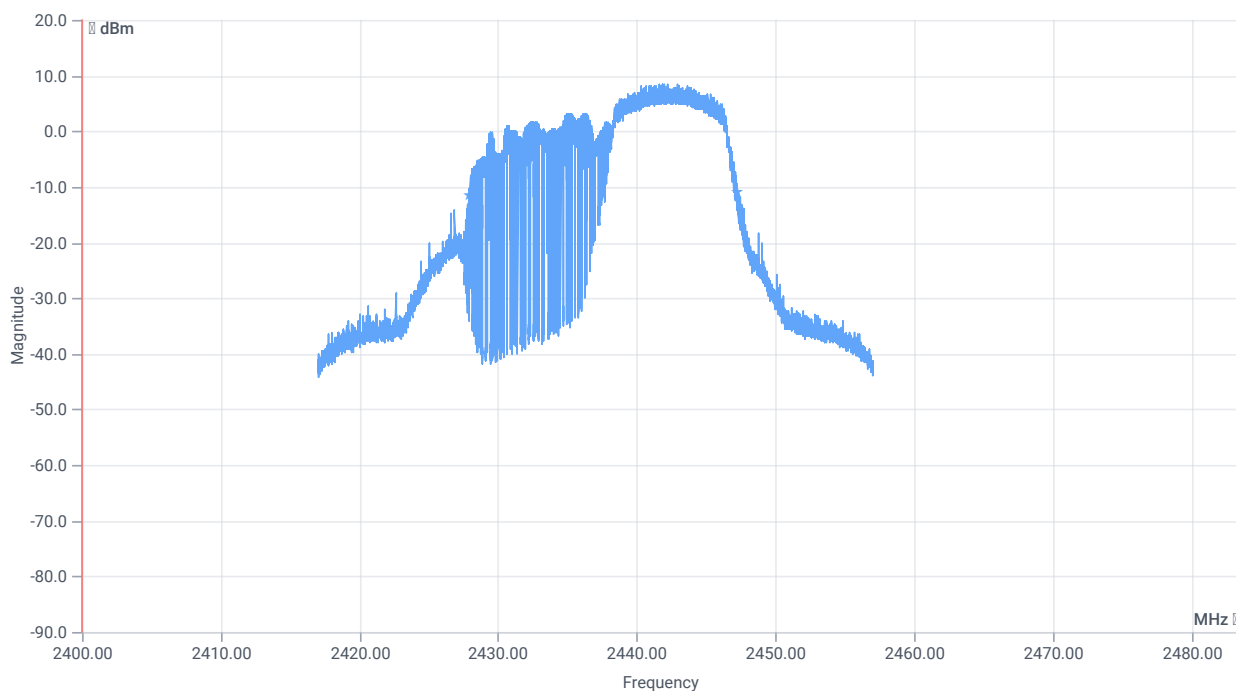
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	17606.000	kHz	INFO
T1 99%	2400.000000	---	2429.0208	MHz	PASS
T2 99%	---	2483.500000	2446.6270	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	19368	kHz	INFO
T1 20dB	2400.000000	---	2427.9040	MHz	PASS
T2 20dB	---	2483.500000	2447.2720	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 10:10:41
Ambit temp (test rack) [°C] humidity [rel%]	23.0 44
System version	6.0.7.4
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 ax-HE20
Information	ax20_ER-mode_106

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

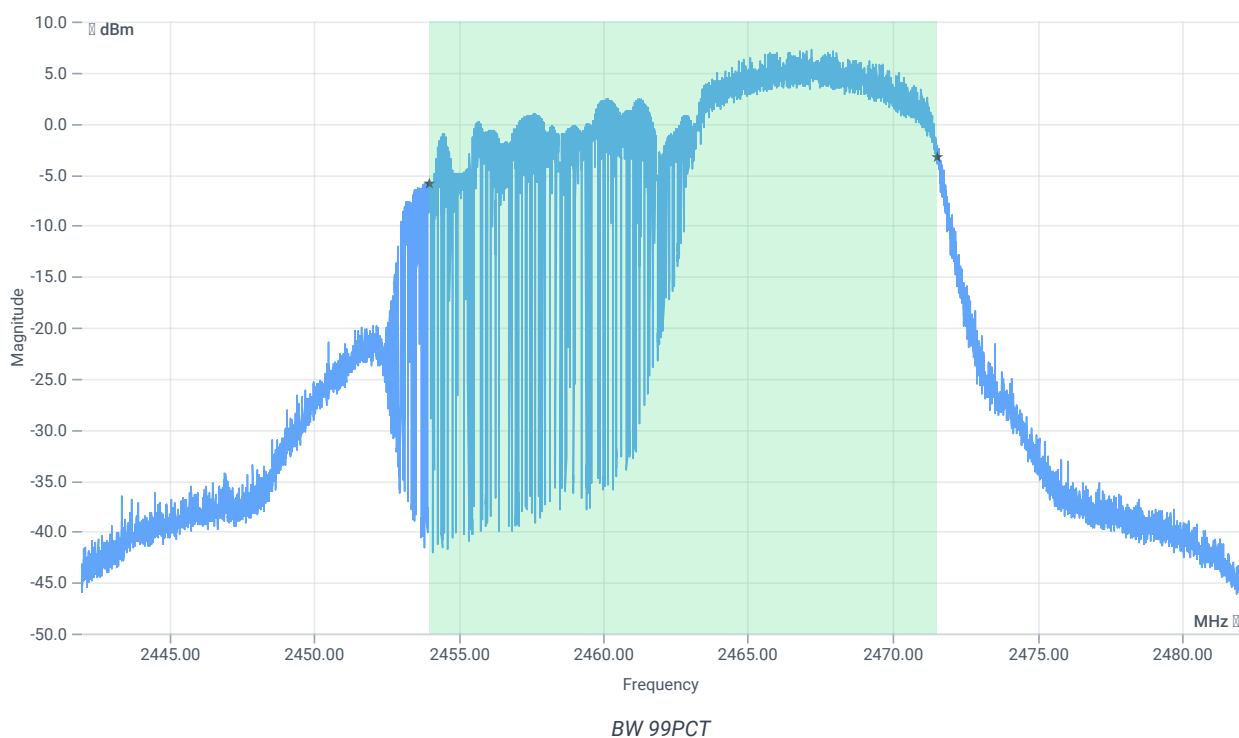
Test at TX 2462 MHz

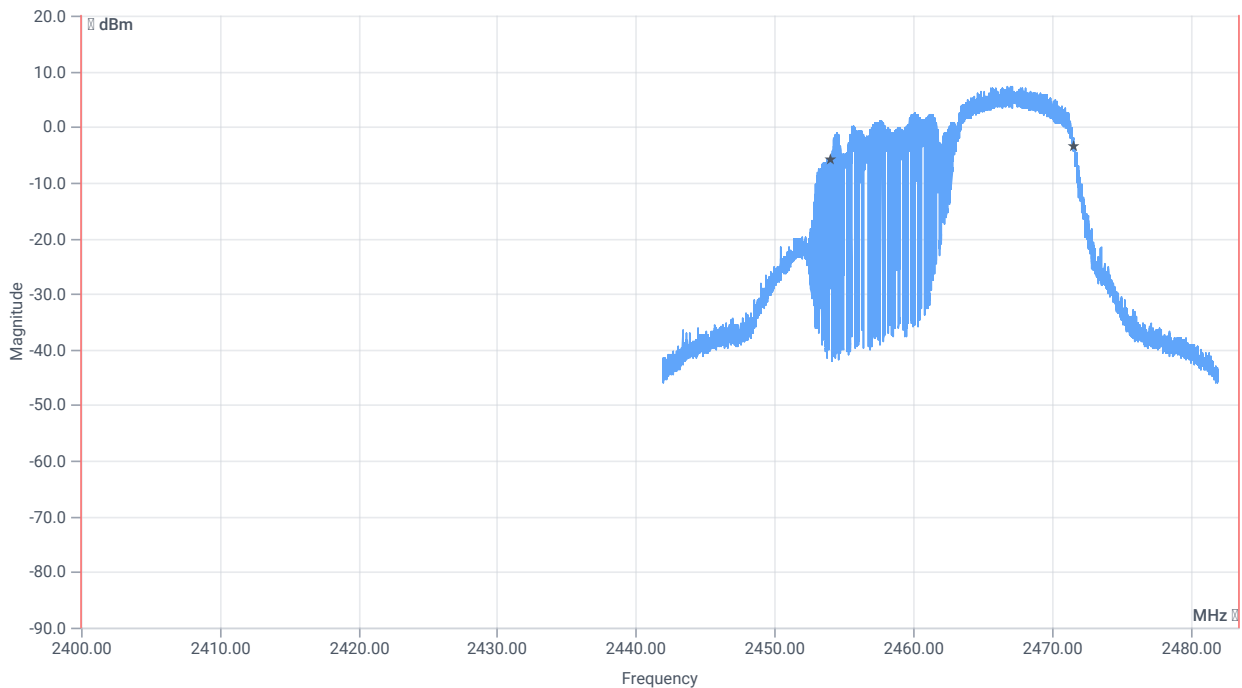
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.31	dBm	INFO
Ref. frequency	---	---	2468.790	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.31 3.12 30
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

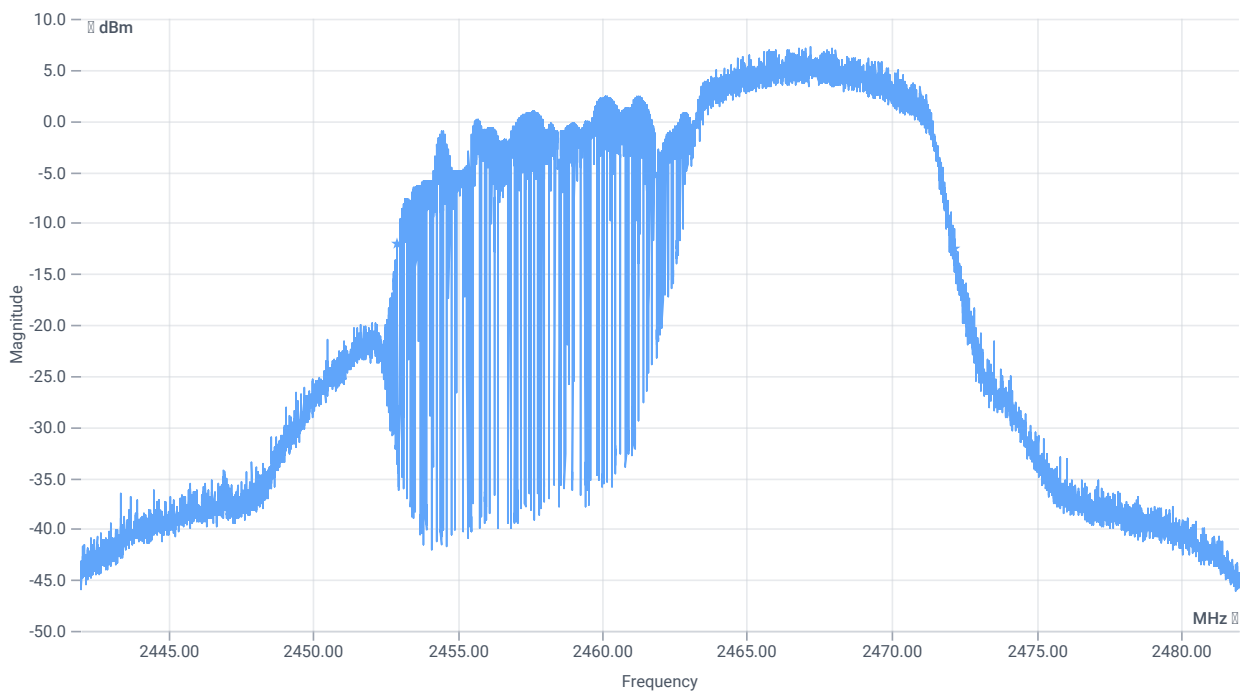




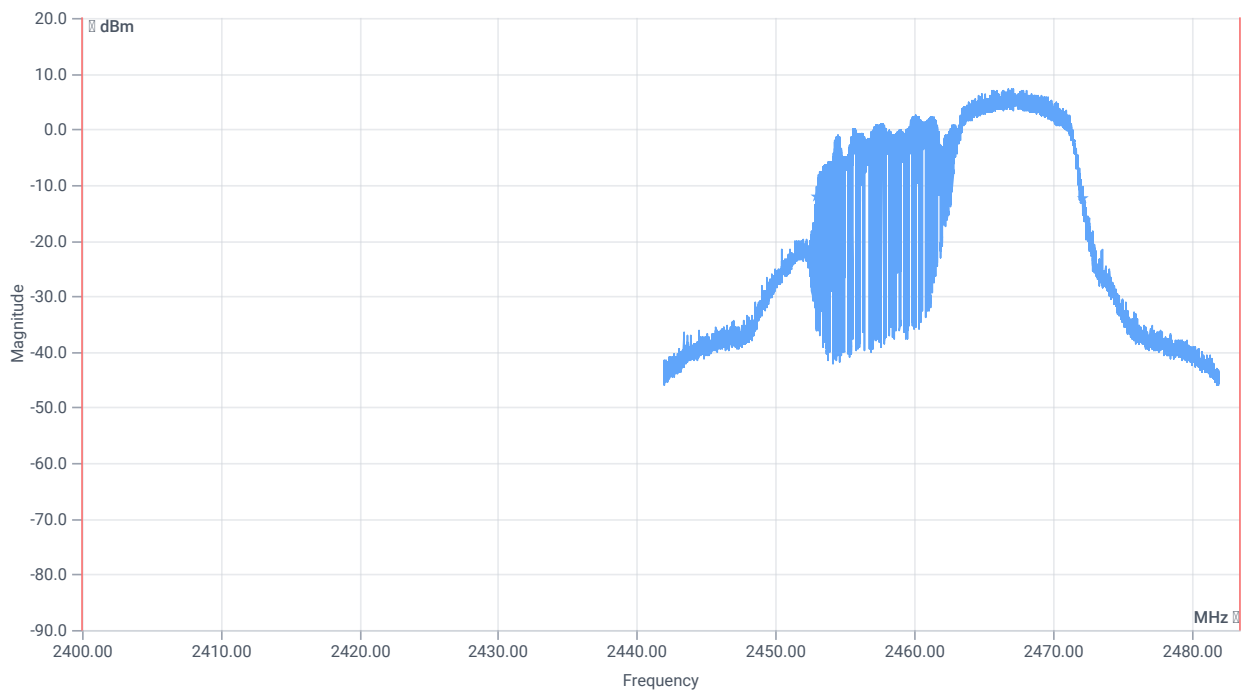
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	17550.000	kHz	INFO
T1 99%	2400.000000	---	2454.0208	MHz	PASS
T2 99%	---	2483.500000	2471.5710	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	19276	kHz	INFO
T1 20dB	2400.000000	---	2452.9240	MHz	PASS
T2 20dB	---	2483.500000	2472.2000	MHz	PASS

Verdict
PASS

FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 09:42:52
Ambit temp (test rack) [°C] humidity [rel%]	23.0 44
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 ax-HE20
Information	ax20_ER-mode_106

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0
Power sensor,Keysight Technologies,U2021XA,MY64330006,A.04.07

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_PM_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.PM/
Switch bits	00000001:00000001:00000000:00000111

Test at TX 2412 MHz

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30	19.52	dBm	PASS

Verdict

PASS

FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 10:08:10
Ambit temp (test rack) [°C] humidity [rel%]	23.0 44
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 ax-HE20
Information	ax20_ER-mode_106

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0
Power sensor,Keysight Technologies,U2021XA,MY64330006,A.04.07

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_PM_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.PM/
Switch bits	00000001:00000001:00000000:00000111

Test at TX 2437 MHz

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30	20.66	dBm	PASS

Verdict

PASS

FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 10:24:19
Ambit temp (test rack) [°C] humidity [rel%]	23.1 43
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 ax-HE20
Information	ax20_ER-mode_106

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0
Power sensor,Keysight Technologies,U2021XA,MY64330006,A.04.07

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_PM_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.PM/
Switch bits	00000001:00000001:00000000:00000111

Test at TX 2462 MHz

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30	17.77	dBm	PASS

Verdict

PASS

FCC 15.247 # Peak psd DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 09:28:41
Ambit temp (test rack) [°C] humidity [rel%]	23.0 45
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 ax-HE20
Information	ax20_ER-mode_106

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

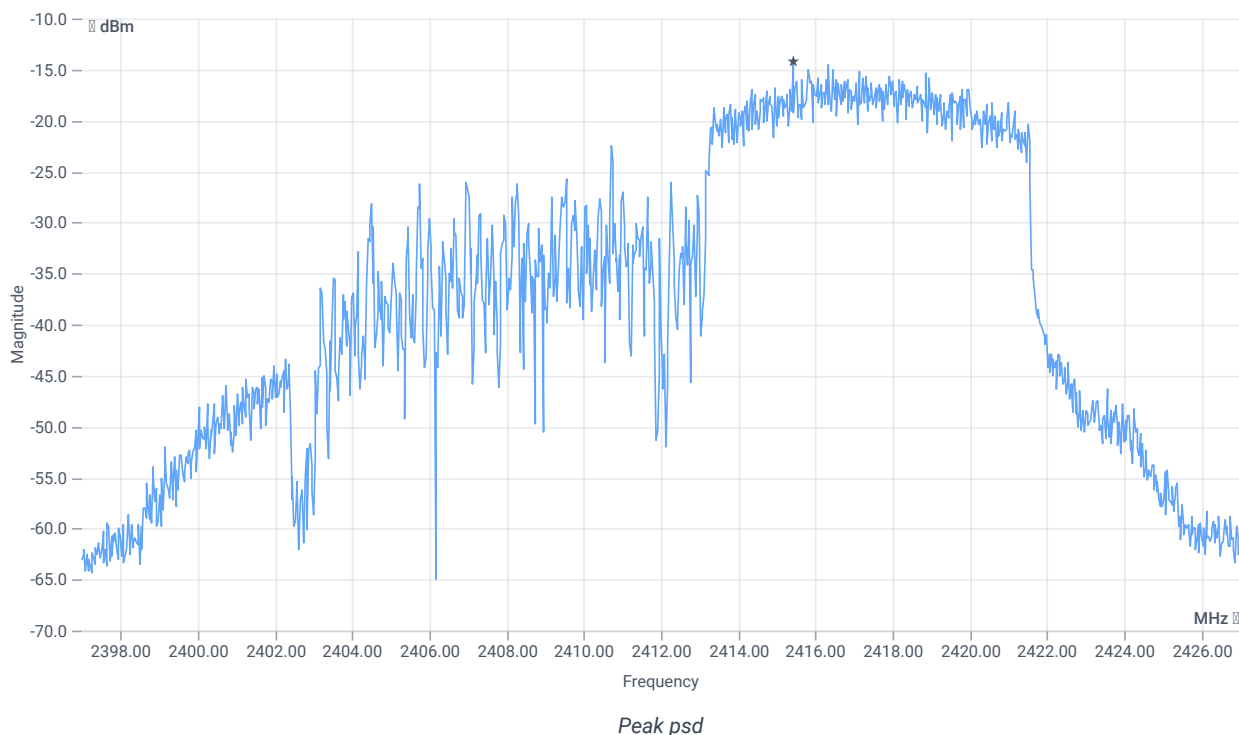
Test at TX 2412 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.70	dBm	INFO
Ref. frequency	---	---	2417.790	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.70 3.13 30
Start [MHz] Stop [MHz]	2397.000 2427.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-14.2	dBm/3KHz	PASS

Verdict

PASS

FCC 15.247 # Peak psd DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 09:53:53
Ambit temp (test rack) [°C] humidity [rel%]	23.0 44
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 ax-HE20
Information	ax20_ER-mode_106

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

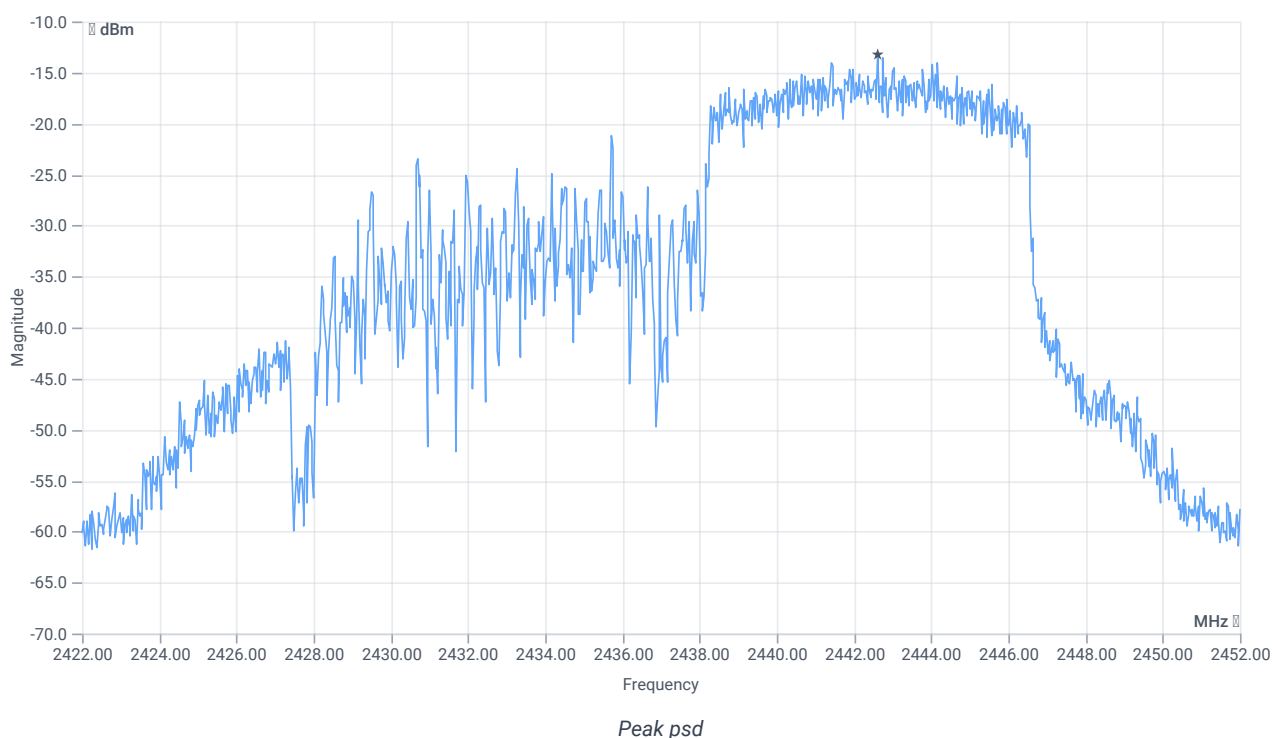
Test at TX 2437 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.54	dBm	INFO
Ref. frequency	---	---	2440.900	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.54 3.15 30
Start [MHz] Stop [MHz]	2422.000 2452.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-13.21	dBm/3KHz	PASS

Verdict

PASS

FCC 15.247 # Peak psd DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 10:09:59
Ambit temp (test rack) [°C] humidity [rel%]	23.0 44
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 ax-HE20
Information	ax20_ER-mode_106

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

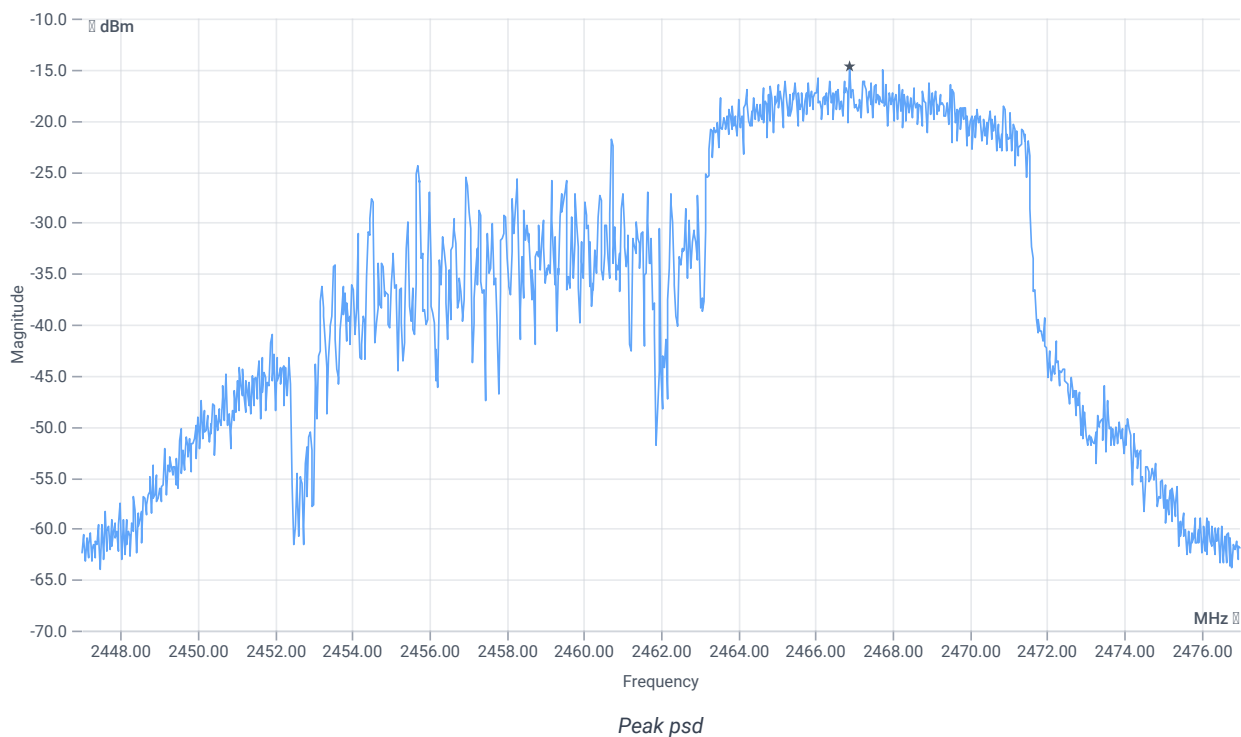
Test at TX 2462 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.70	dBm	INFO
Ref. frequency	---	---	2466.900	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.70 3.12 30
Start [MHz] Stop [MHz]	2447.000 2477.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-14.75	dBm/3KHz	PASS

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 09:30:00
Ambit temp (test rack) [°C] humidity [rel%]	23.0 44
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. DTS DTS - WLAN2G4 ax-HE20
Information	ax20_ER-mode_106

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

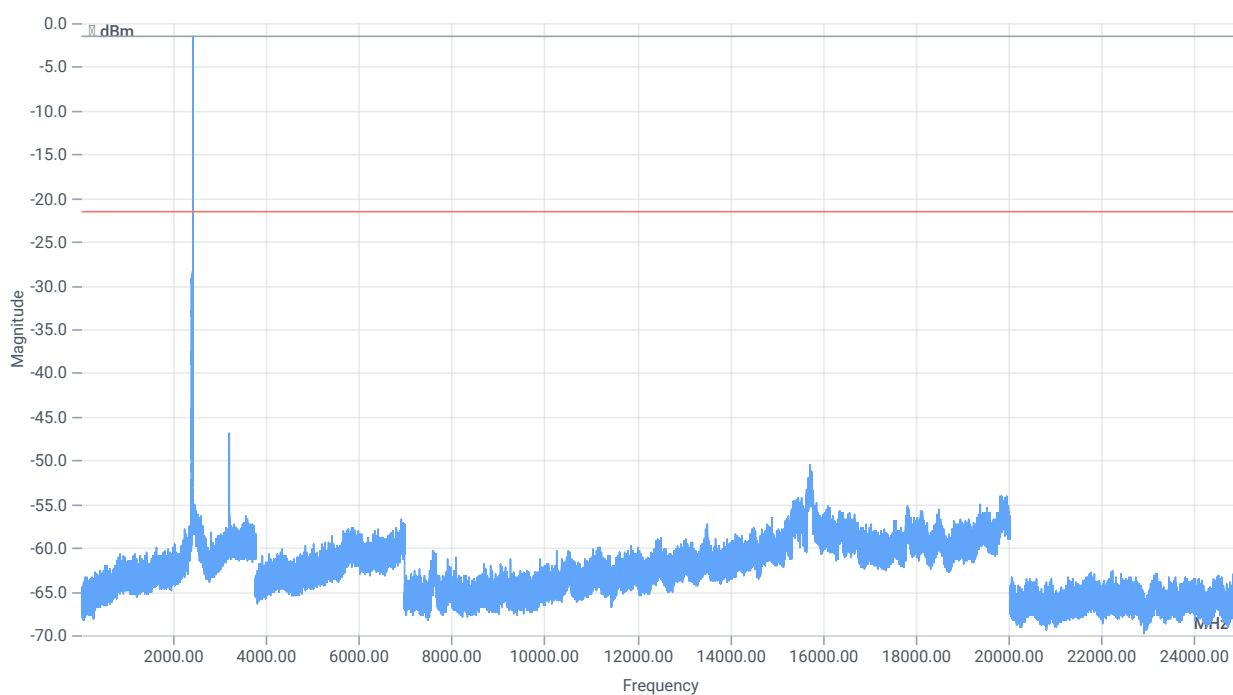
Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at TX 2412 MHz

RESULT: Reference power cond.

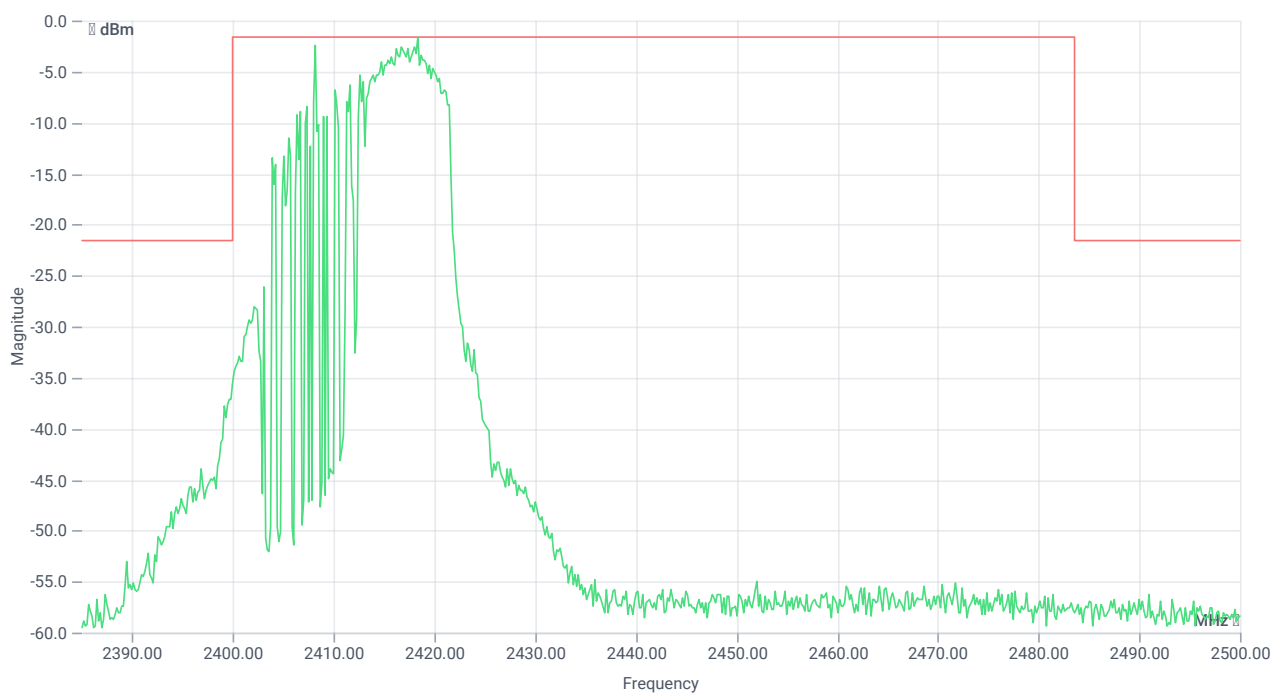
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.97	dBm	INFO
Ref. frequency	---	---	2417.690	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.97 10.2 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2418.33 MHz	---	---	-1.57	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.833 MHz	0	---	15.58	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 09:55:12
Ambit temp (test rack) [°C] humidity [rel%]	23.0 44
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. DTS DTS - WLAN2G4 ax-HE20
Information	ax20_ER-mode_106

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

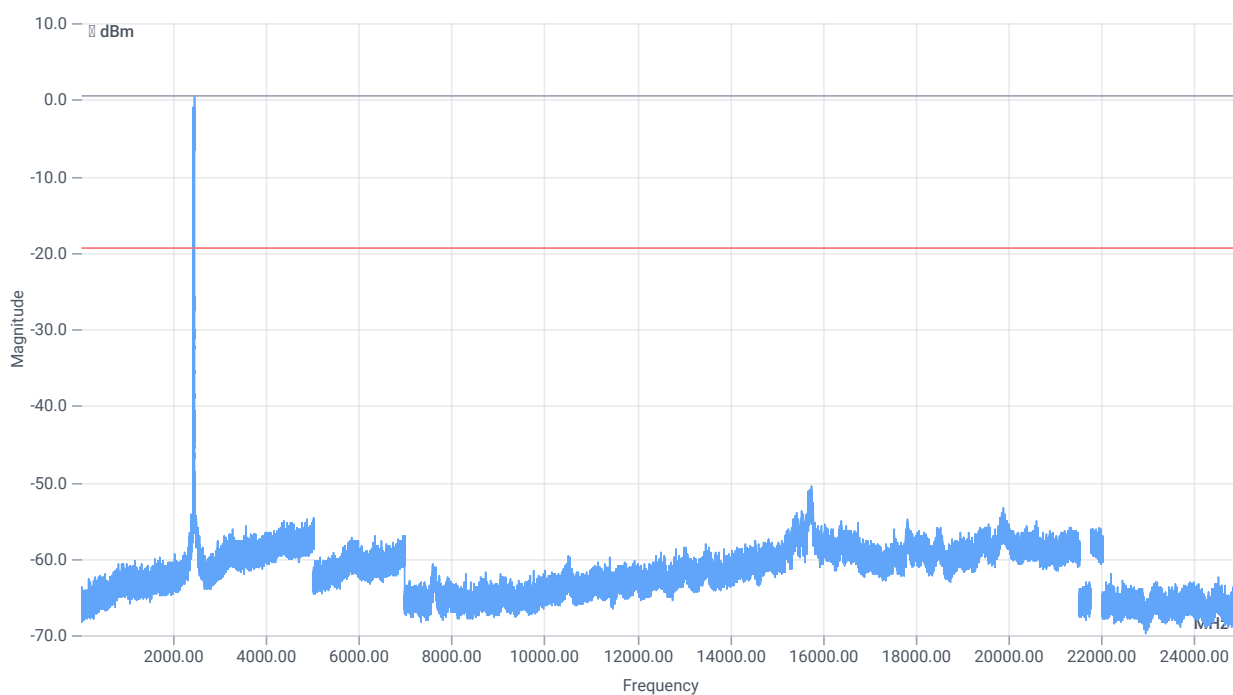
Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at TX 2437 MHz

RESULT: Reference power cond.

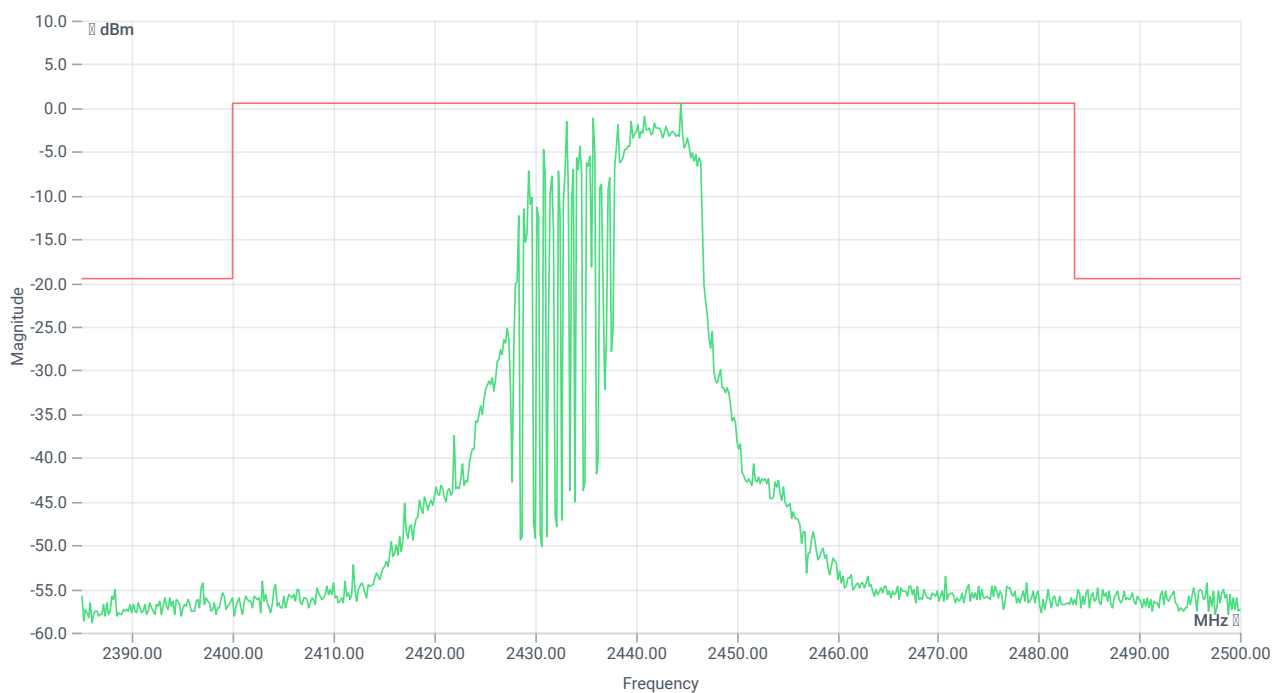
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.56	dBm	INFO
Ref. frequency	---	---	2440.900	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.56 10.2 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



TX emissions band zoomed

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2444.50 MHz	---	---	0.52	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 15749.5 MHz	0	---	31.12	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 10:11:19
Ambit temp (test rack) [°C] humidity [rel%]	23.0 44
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. DTS DTS - WLAN2G4 ax-HE20
Information	ax20_ER-mode_106

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

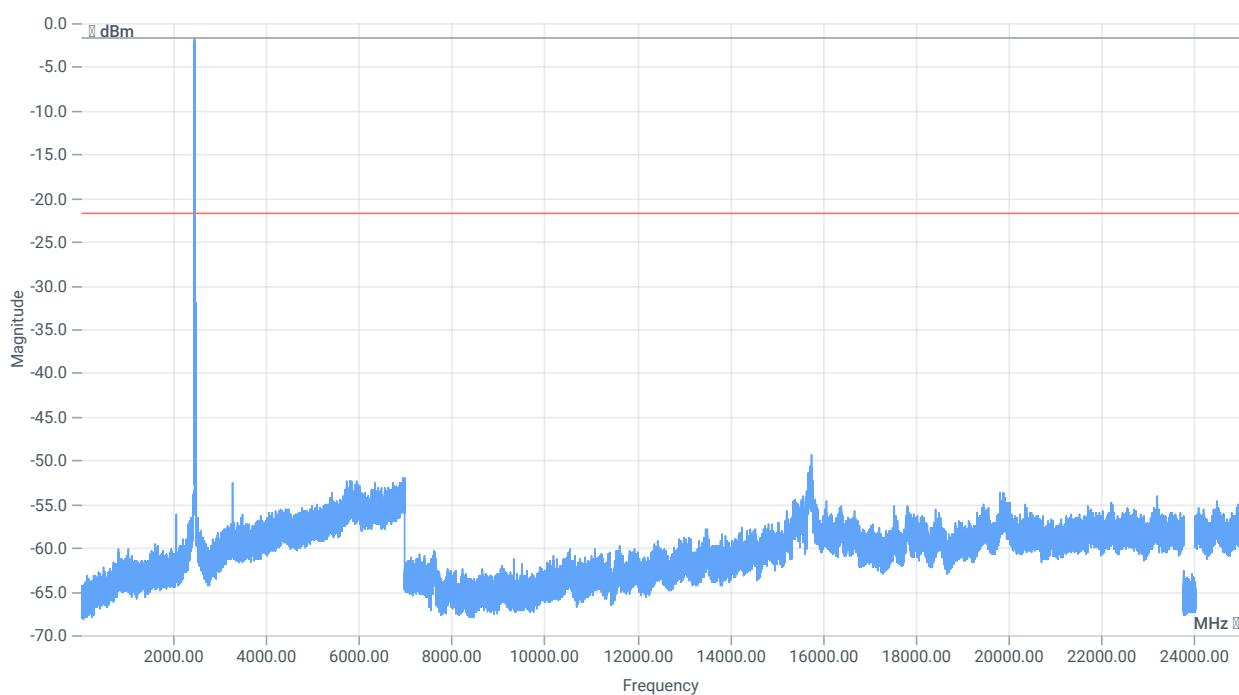
Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

Test at TX 2462 MHz

RESULT: Reference power cond.

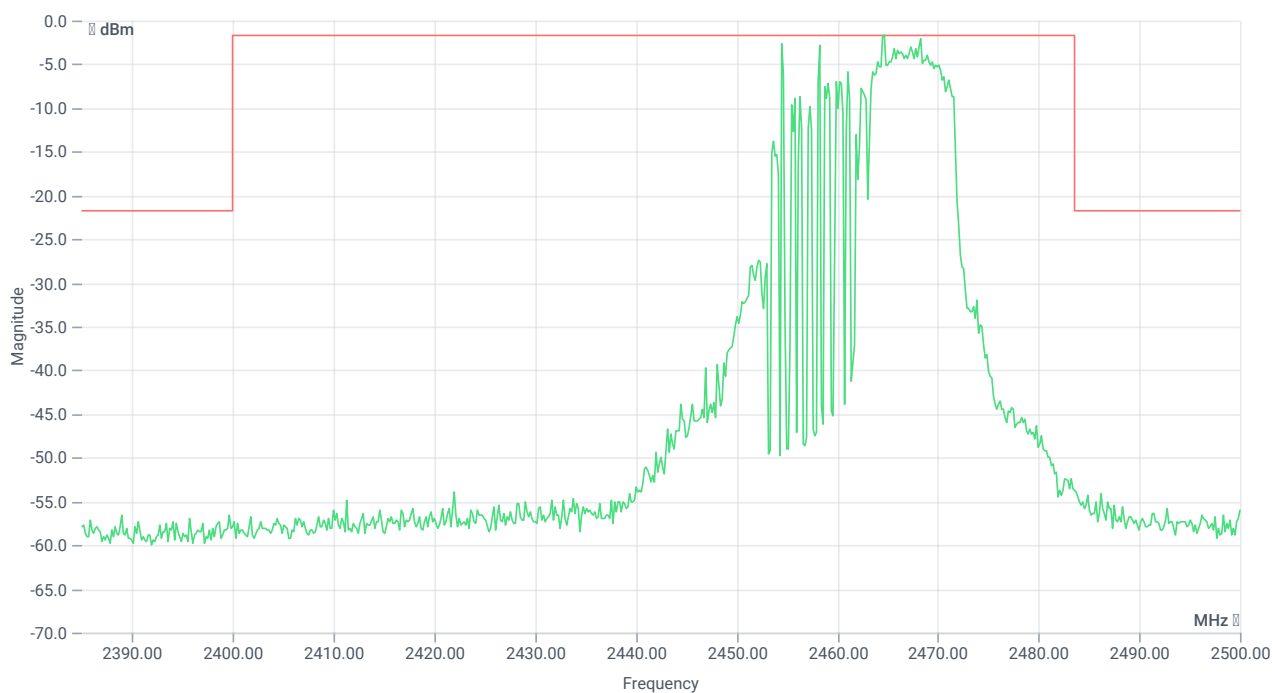
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.31	dBm	INFO
Ref. frequency	---	---	2466.400	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.31 10.2 20
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2464.50 MHz	---	---	-1.69	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 15765.167 MHz	0	---	27.73	dB	INFO

Verdict

PASS

NA # Message with SA scan ~

References

TC start	29.05.2026 08:07:39
Ambit temp (test rack) [°C] humidity [rel%]	22.1 49
System version	6.0.7.4
Standard Version	NA NI
Method	
Description	Message with SA scan ax-HE20
Information	26RU-0

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110
Message start	29.05.2026 08:07:41
Message	set WLAN2G4 to ax-HE20, Frequency [MHz] 2412 ,

Verdict

INFO

FCC 15.247 # Peak psd DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 08:08:34
Ambit temp (test rack) [°C] humidity [rel%]	22.1 49
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 ax-HE20
Information	26RU-0

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

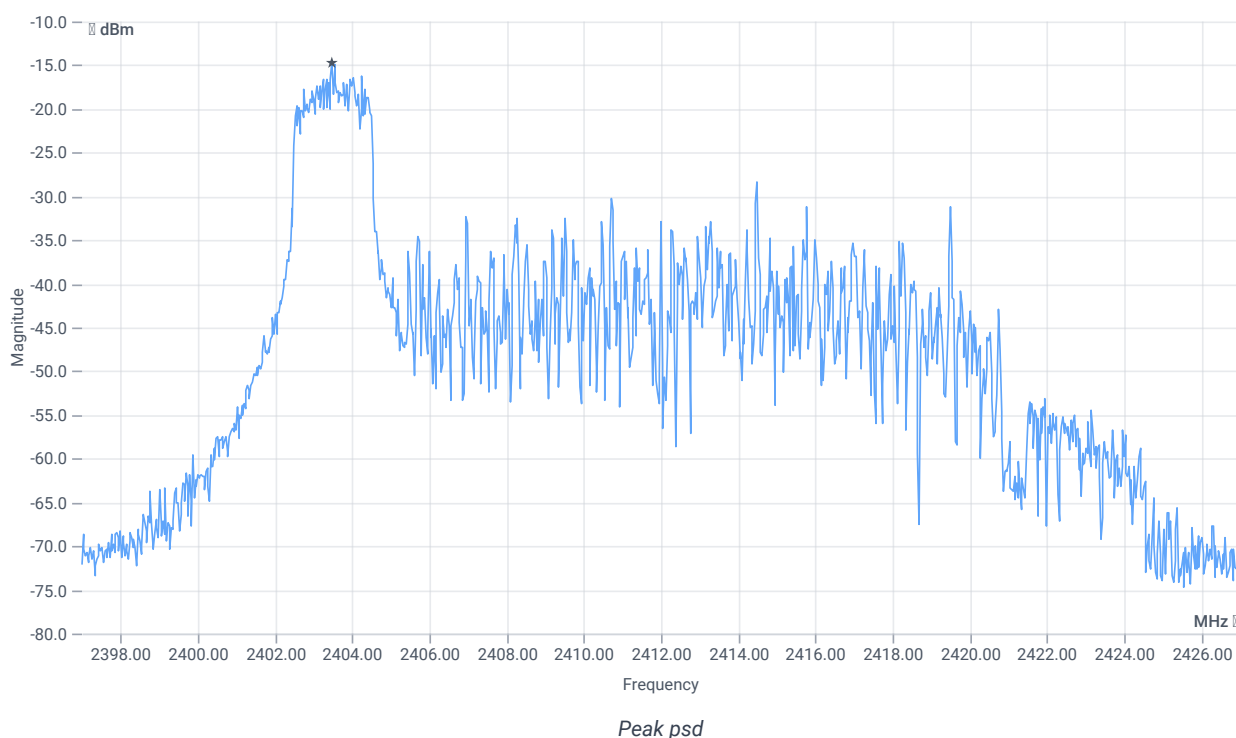
Test at TX 2412 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.79	dBm	INFO
Ref. frequency	---	---	2403.410	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.79 3.13 25
Start [MHz] Stop [MHz]	2397.000 2427.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-14.69	dBm/3KHz	PASS

Verdict

PASS

NA # Message with SA scan ~

References

TC start	29.05.2026 08:11:05
Ambit temp (test rack) [°C] humidity [rel%]	22.2 49
System version	6.0.7.4
Standard Version	NA NI
Method	
Description	Message with SA scan ax-HE20
Information	26RU-4

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110
Message start	29.05.2026 08:11:08
Message	set WLAN2G4 to ax-HE20, Frequency [MHz] 2437 ,

Verdict

INFO

FCC 15.247 # Peak psd DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 08:11:45
Ambit temp (test rack) [°C] humidity [rel%]	22.3 48
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 ax-HE20
Information	26RU-4

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

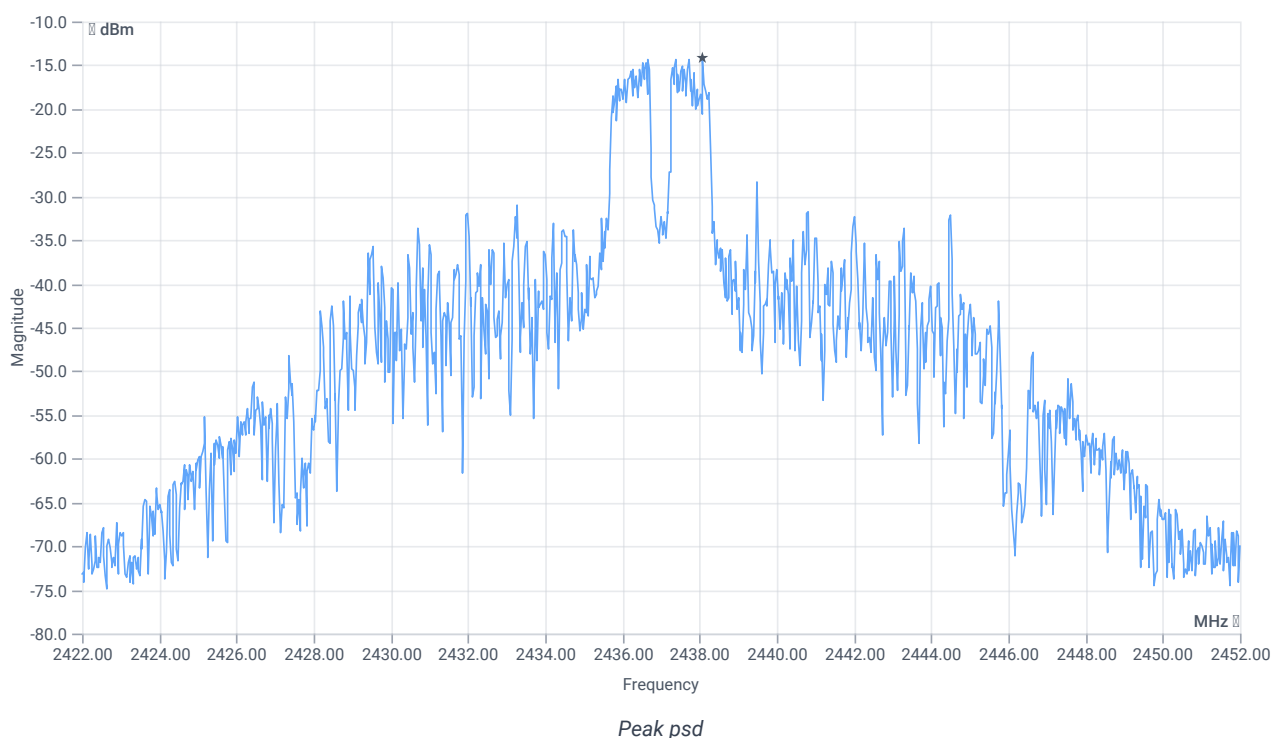
Test at TX 2437 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.62	dBm	INFO
Ref. frequency	---	---	2436.300	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.62 3.15 25
Start [MHz] Stop [MHz]	2422.000 2452.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-14.1	dBm/3KHz	PASS

Verdict

PASS

NA # Message with SA scan ~

References

TC start	29.05.2026 08:12:38
Ambit temp (test rack) [°C] humidity [rel%]	22.3 48
System version	6.0.7.4
Standard Version	NA NI
Method	
Description	Message with SA scan ax-HE20
Information	26RU-8

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110
Message start	29.05.2026 08:12:41
Message	set WLAN2G4 to ax-HE20, Frequency [MHz] 2462

Verdict

INFO

FCC 15.247 # Peak psd DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 08:13:09
Ambit temp (test rack) [°C] humidity [rel%]	22.3 48
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 ax-HE20
Information	26RU-8

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

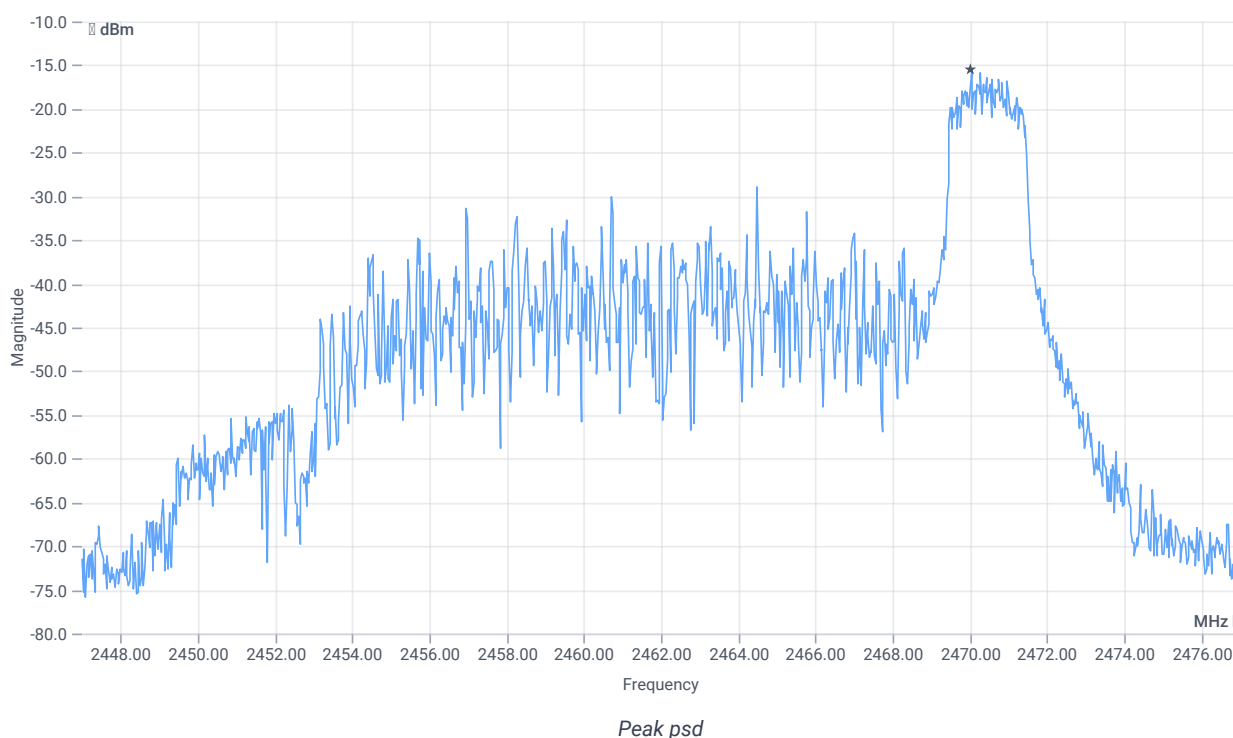
Test at TX 2462 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.14	dBm	INFO
Ref. frequency	---	---	2470.490	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.14 3.12 25
Start [MHz] Stop [MHz]	2447.000 2477.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-15.53	dBm/3KHz	PASS

Verdict

PASS

NA # Message with SA scan ~

References

TC start	29.05.2026 08:14:02
Ambit temp (test rack) [°C] humidity [rel%]	22.3 48
System version	6.0.7.4
Standard Version	NA NI
Method	
Description	Message with SA scan ax-HE20
Information	52RU-37

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110
Message start	29.05.2026 08:14:05
Message	set WLAN2G4 to ax-HE20, Frequency [MHz] 2412 ,

Verdict

INFO

FCC 15.247 # Peak psd DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 08:21:41
Ambit temp (test rack) [°C] humidity [rel%]	22.5 48
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 ax-HE20
Information	52RU-37

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

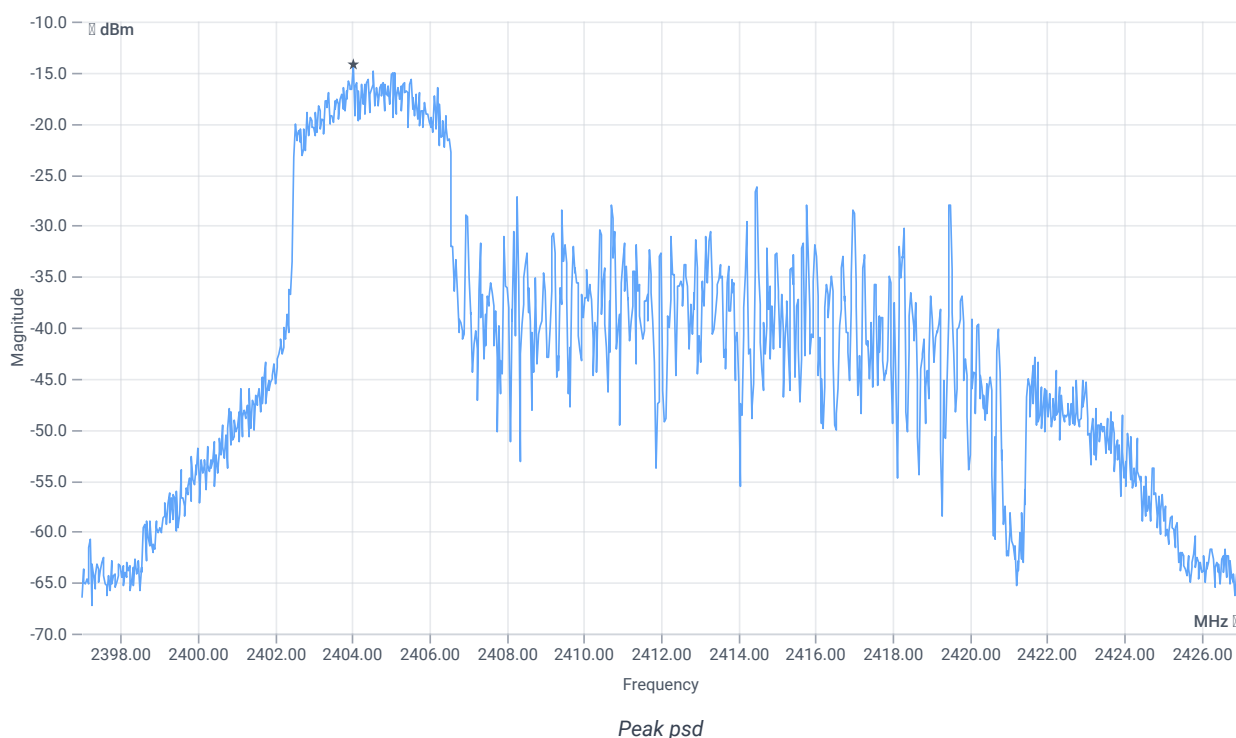
Test at TX 2412 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.79	dBm	INFO
Ref. frequency	---	---	2405.510	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.79 3.13 30
Start [MHz] Stop [MHz]	2397.000 2427.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-14.14	dBm/3KHz	PASS

Verdict

PASS

NA # Message with SA scan ~

References

TC start	29.05.2026 08:22:34
Ambit temp (test rack) [°C] humidity [rel%]	22.5 48
System version	6.0.7.4
Standard Version	NA NI
Method	
Description	Message with SA scan ax-HE20
Information	52RU-40

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110
Message start	29.05.2026 08:22:37
Message	set WLAN2G4 to ax-HE20, Frequency [MHz] 2462

Verdict

INFO

FCC 15.247 # Peak psd DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 09:13:33
Ambit temp (test rack) [°C] humidity [rel%]	23.0 45
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 ax-HE20
Information	52RU-40

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

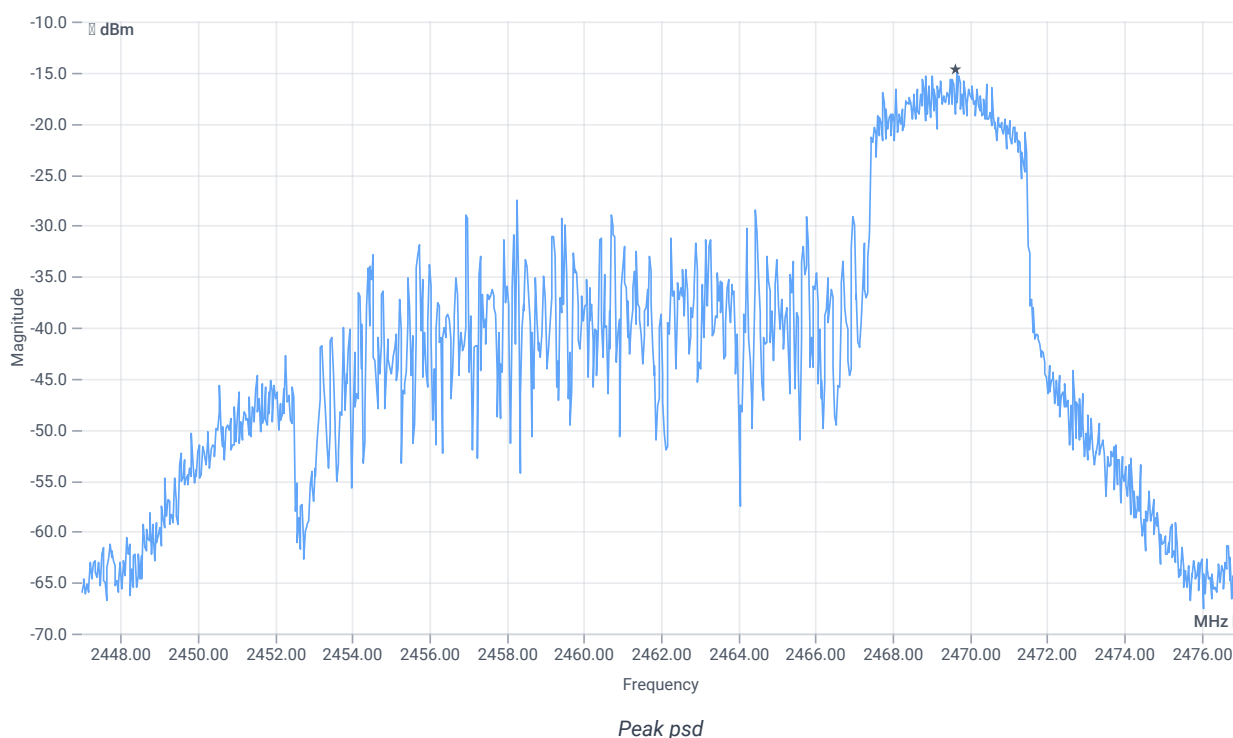
Test at TX 2462 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.51	dBm	INFO
Ref. frequency	---	---	2469.490	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.51 3.12 25
Start [MHz] Stop [MHz]	2447.000 2477.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-14.73	dBm/3KHz	PASS

Verdict

PASS

NA # Message with SA scan ~

References

TC start	29.05.2026 09:14:26
Ambit temp (test rack) [°C] humidity [rel%]	23.0 45
System version	6.0.7.4
Standard Version	NA NI
Method	
Description	Message with SA scan ax-HE20
Information	106RU-53

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110
Message start	29.05.2026 09:14:28
Message	set WLAN2G4 to ax-HE20, Frequency [MHz] 2412 ,

Verdict

INFO

FCC 15.247 # Peak psd DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 09:22:10
Ambit temp (test rack) [°C] humidity [rel%]	23.1 45
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 ax-HE20
Information	106RU-53

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

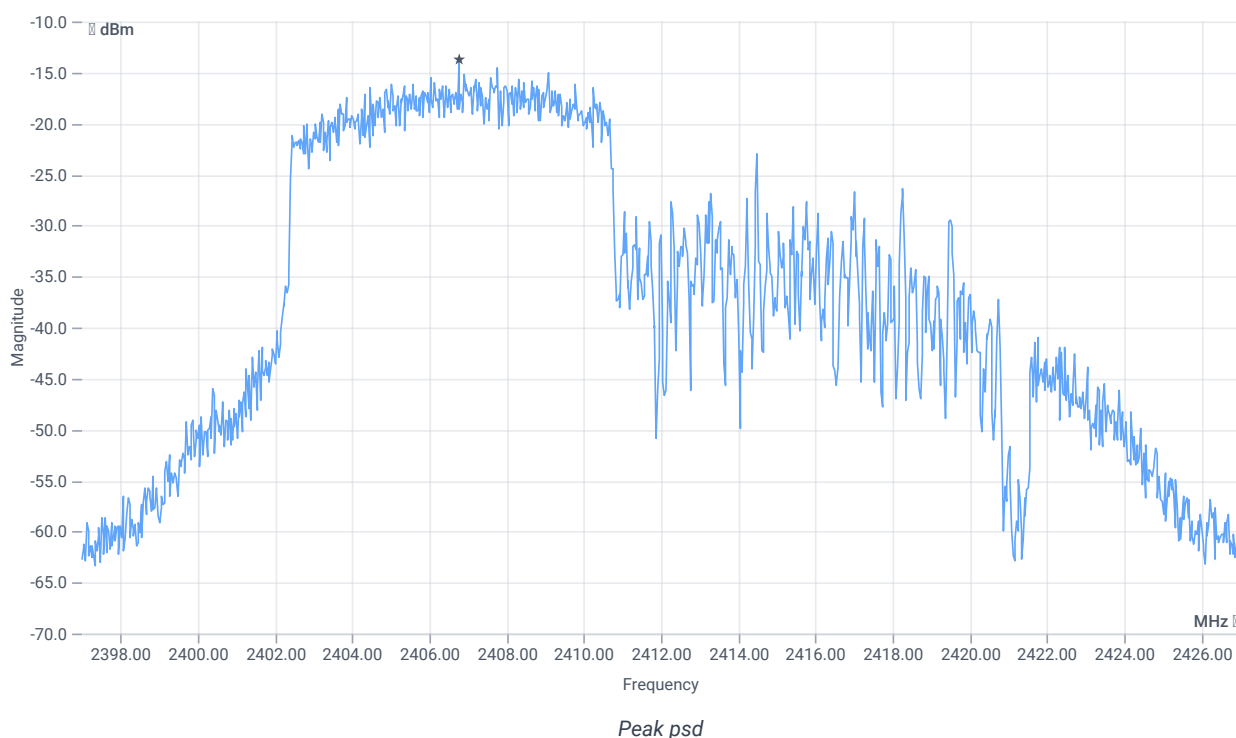
Test at TX 2412 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.21	dBm	INFO
Ref. frequency	---	---	2405.510	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.21 3.13 30
Start [MHz] Stop [MHz]	2397.000 2427.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-13.79	dBm/3KHz	PASS

Verdict

PASS

NA # Message with SA scan ~

References

TC start	29.05.2026 09:23:03
Ambit temp (test rack) [°C] humidity [rel%]	23.1 44
System version	6.0.7.4
Standard Version	NA NI
Method	
Description	Message with SA scan ax-HE20
Information	106RU-54

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110
Message start	29.05.2026 09:23:06
Message	set WLAN2G4 to ax-HE20, Frequency [MHz] 2462

Verdict

INFO

FCC 15.247 # Peak psd DTS ~ WLAN2G4 ax-HE20

References

TC start	29.05.2026 09:23:36
Ambit temp (test rack) [°C] humidity [rel%]	23.1 44
System version	6.0.7.4
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.4 DTS maximum power spectral density level in the fundamental emission
Description	FCC 15.247 Peak psd DTS - WLAN2G4 ax-HE20
Information	106RU-54

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1321.3008K40/101353,3.70
Switch matrix,cetecom advanced GmbH,USM,C001,1.0.0

Test Parameter

Technology to test	WLAN2G4 ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.3
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/
Switch bits	00000001:00000001:00000000:00000110

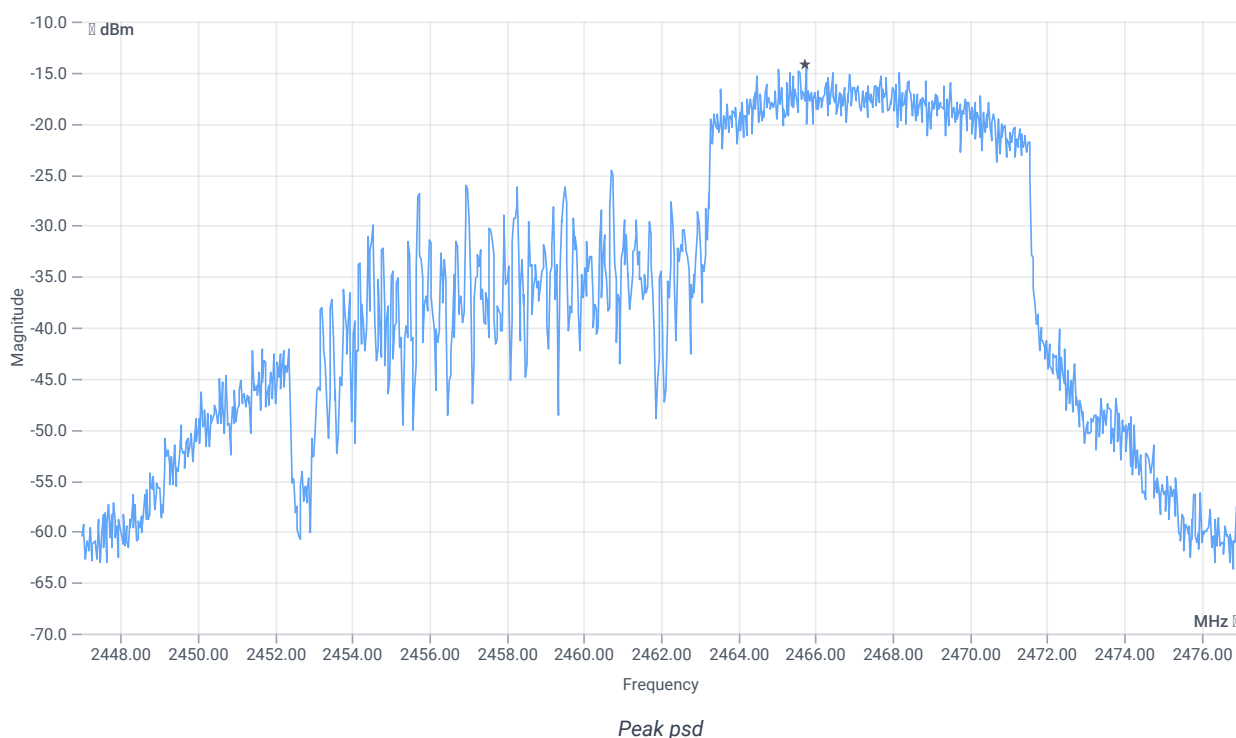
Test at TX 2462 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.27	dBm	INFO
Ref. frequency	---	---	2467.690	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.27 3.12 30
Start [MHz] Stop [MHz]	2447.000 2477.000
RBW [MHz] VBW [MHz]	0.003000 0.010000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1000 20 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak psd	---	8	-14.24	dBm/3KHz	PASS

Verdict

PASS

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